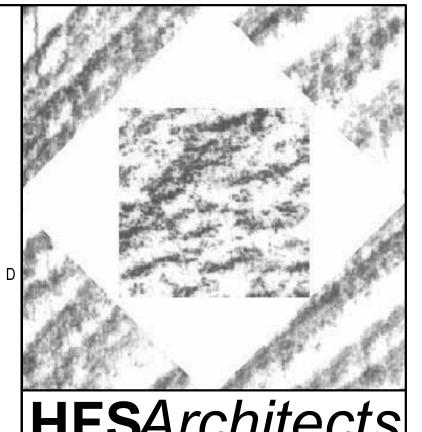
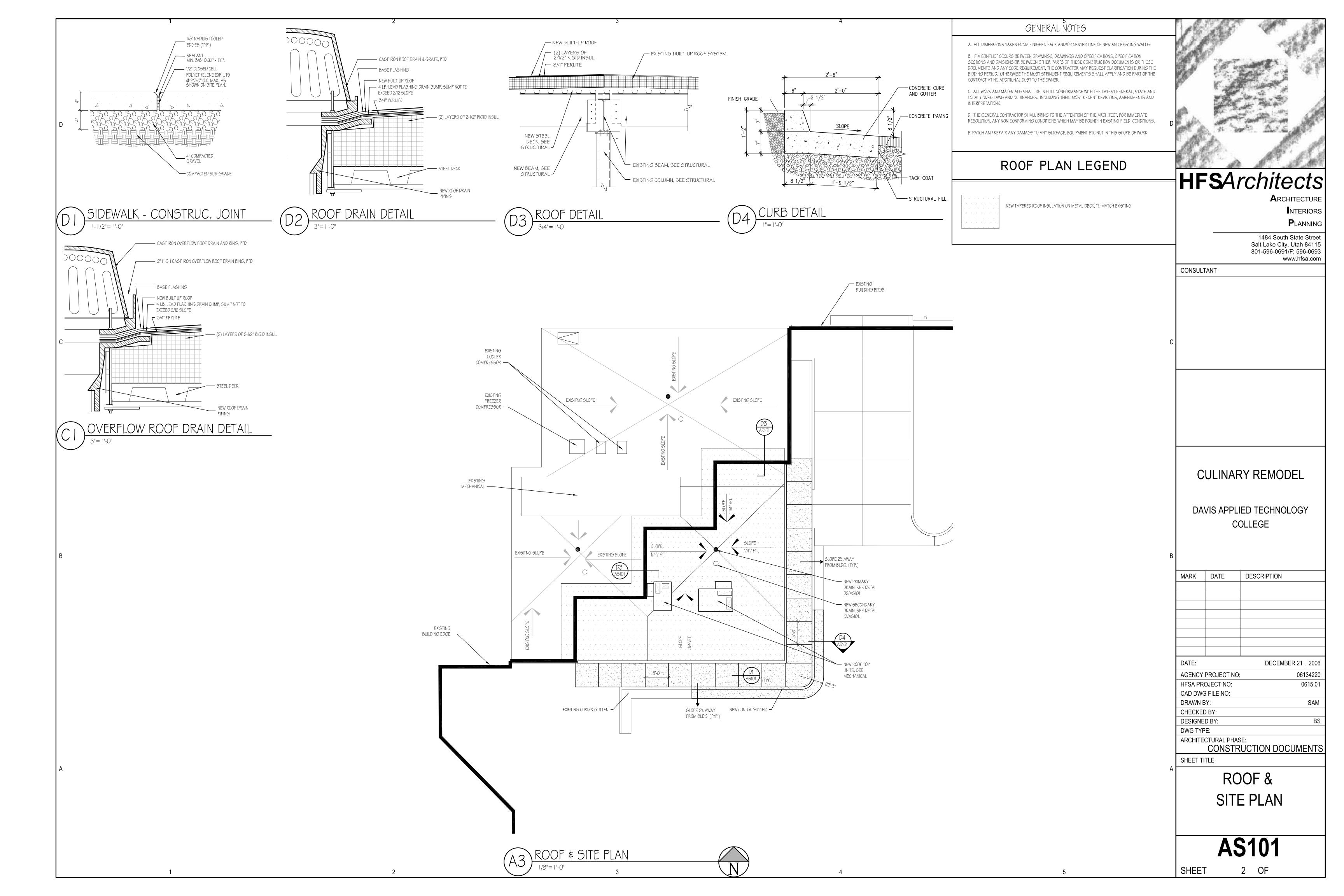
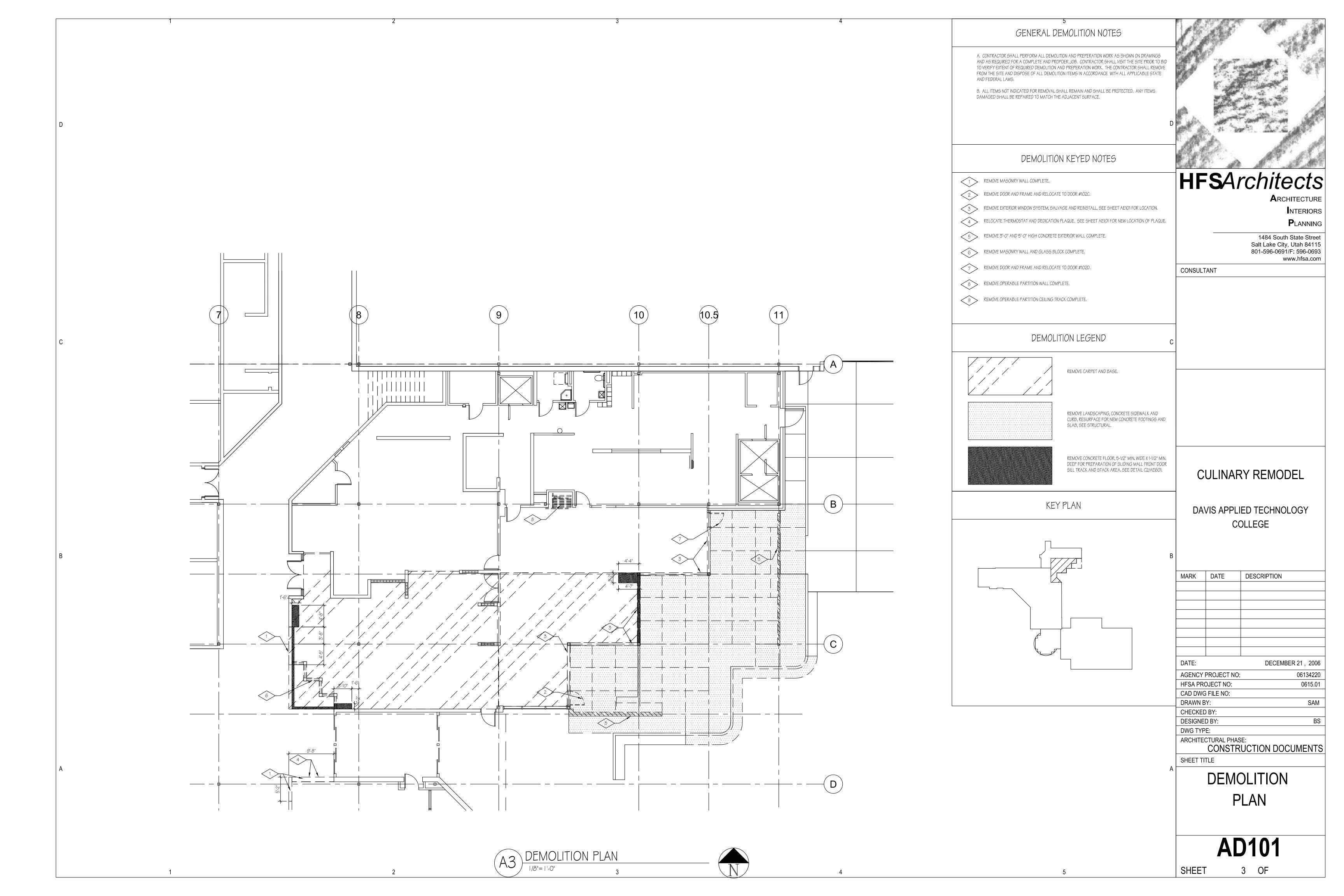
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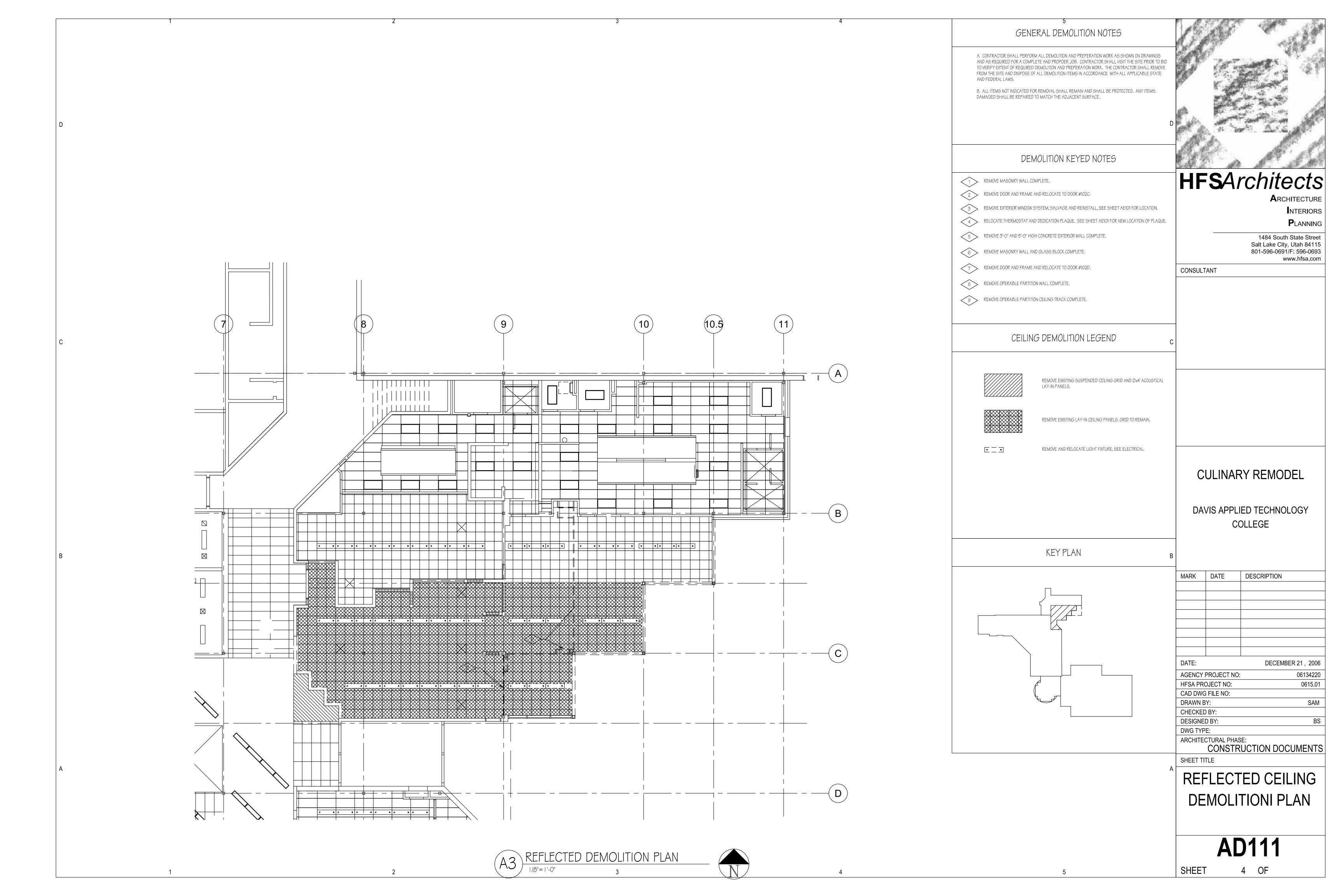


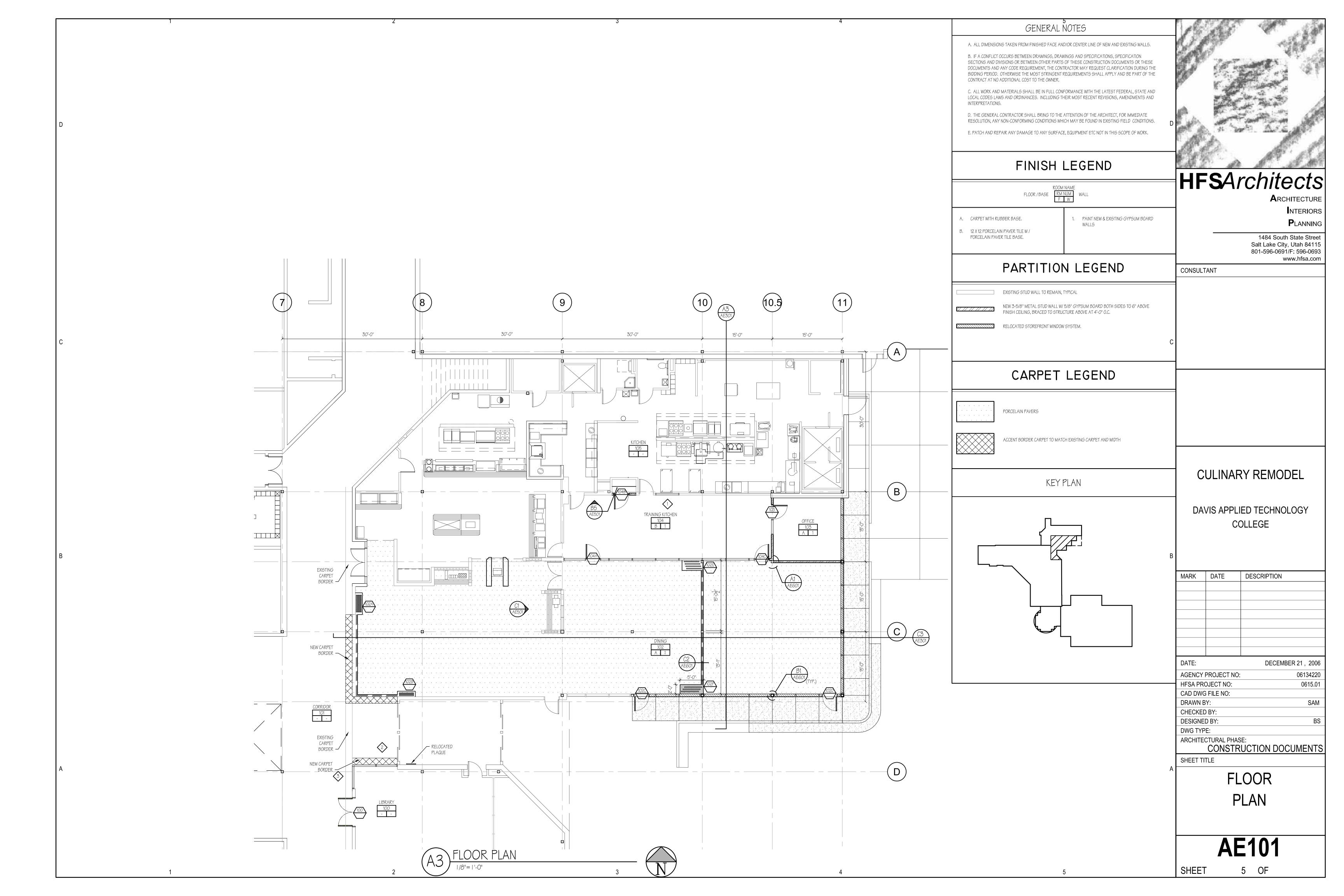
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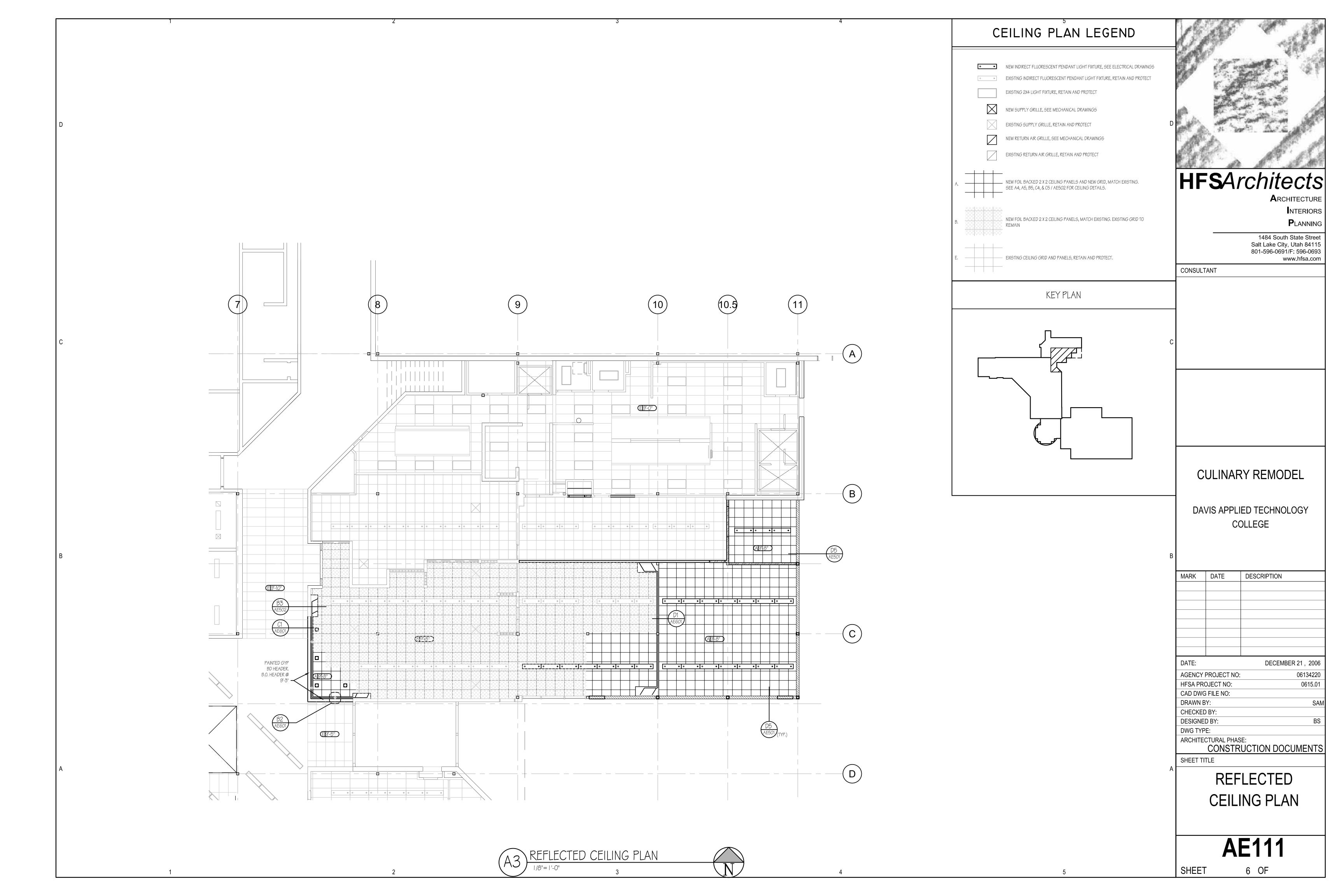
				PLANNING
	GRAPHIC SYMBOLS	PROJECT DIRECTORY	DRAWING INDEX	1484 South State Street Salt Lake City, Utah 84115 801-596-0691/F: 596-0693 www.hfsa.com
c	BLDG, ELEV. SYMB. RM. NAME RM# F/B W/W RM. FINISH SYMB. CEIL. FINISH/ELEV. SYMB. DTL# SHT# BLDG, SECT. SYMB. DTL# SHT# WALL SECT. SYMB. T.O. ELEV DATUM PT. SYMB. RM. NAME/NUMB RM. FINISH SYMB.	ARCHITECT HFS Architects 1484 South State Street Salt Lake City, Utah 84115 801-596-0691/FAX-596-0693 STRUCTURAL WCA Structural Engineering 422 North Main Street Bountiful, Utah 84010 801-298-1118 / FAX 801-298-1122 MECHANICAL	ARCHITECTURAL DRAWINGS GI 100 TITLE SHEET, GENERAL INFO, \$ SHEET INDEX AS 101 ROOF \$ SITE PLAN AD 101 DEMOLITION PLAN AD 111 REFLECTED CEILING DEMOLITION PLAN AE 101 FLOOR PLAN AE 101 REFLECTED CEILING PLAN AE 301 SECTIONS AE 501 DETAILS \$ INTERIOR ELEVATIONS AE 502 DETAILS AE 601 ELEVATIONS STRUCTURAL DRAWINGS SG 101 GENERAL STRUCTURAL NOTES SE 101 FOOTING FOUNDATION / ROOF FRAMING PLAN	CONSULTANT
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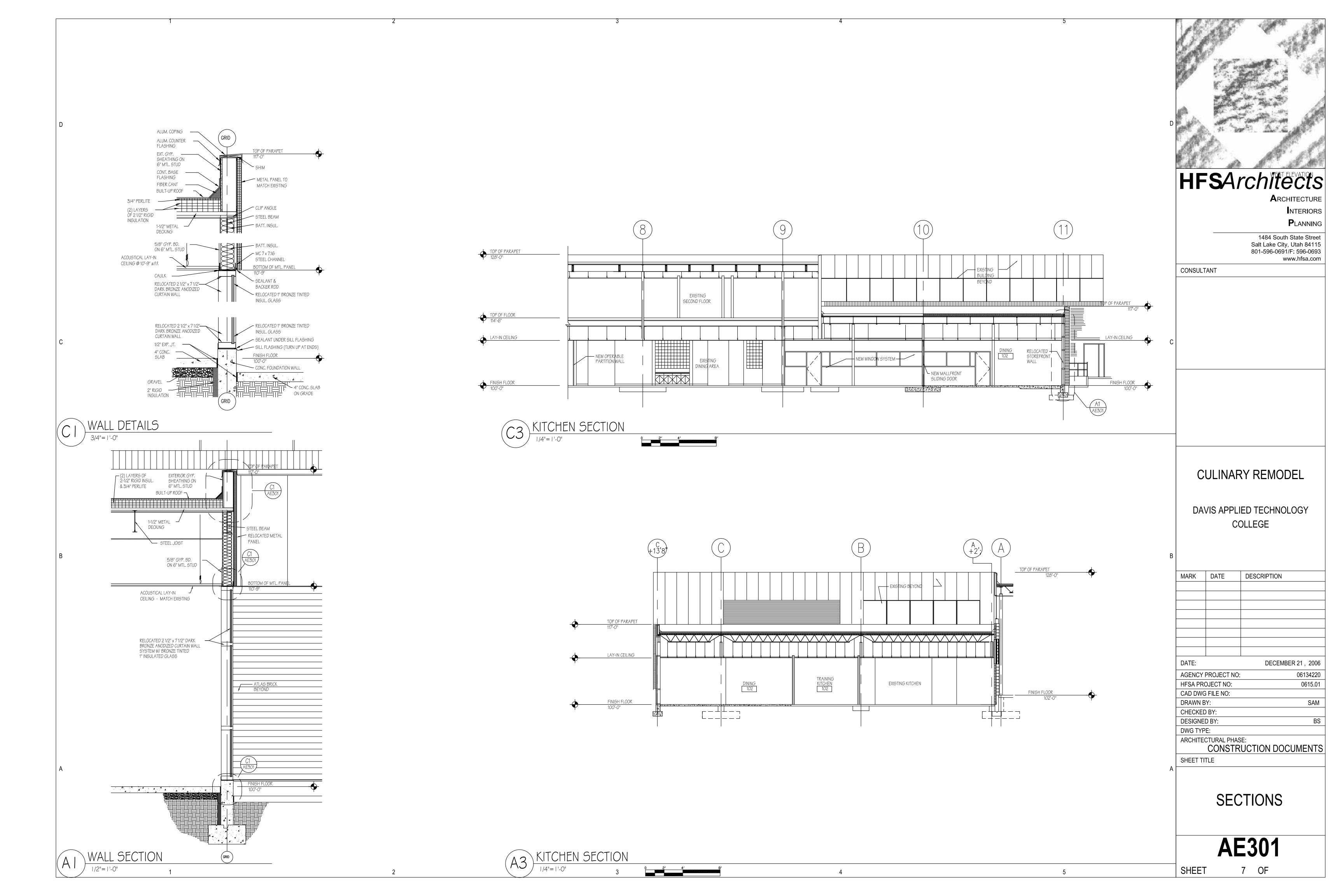


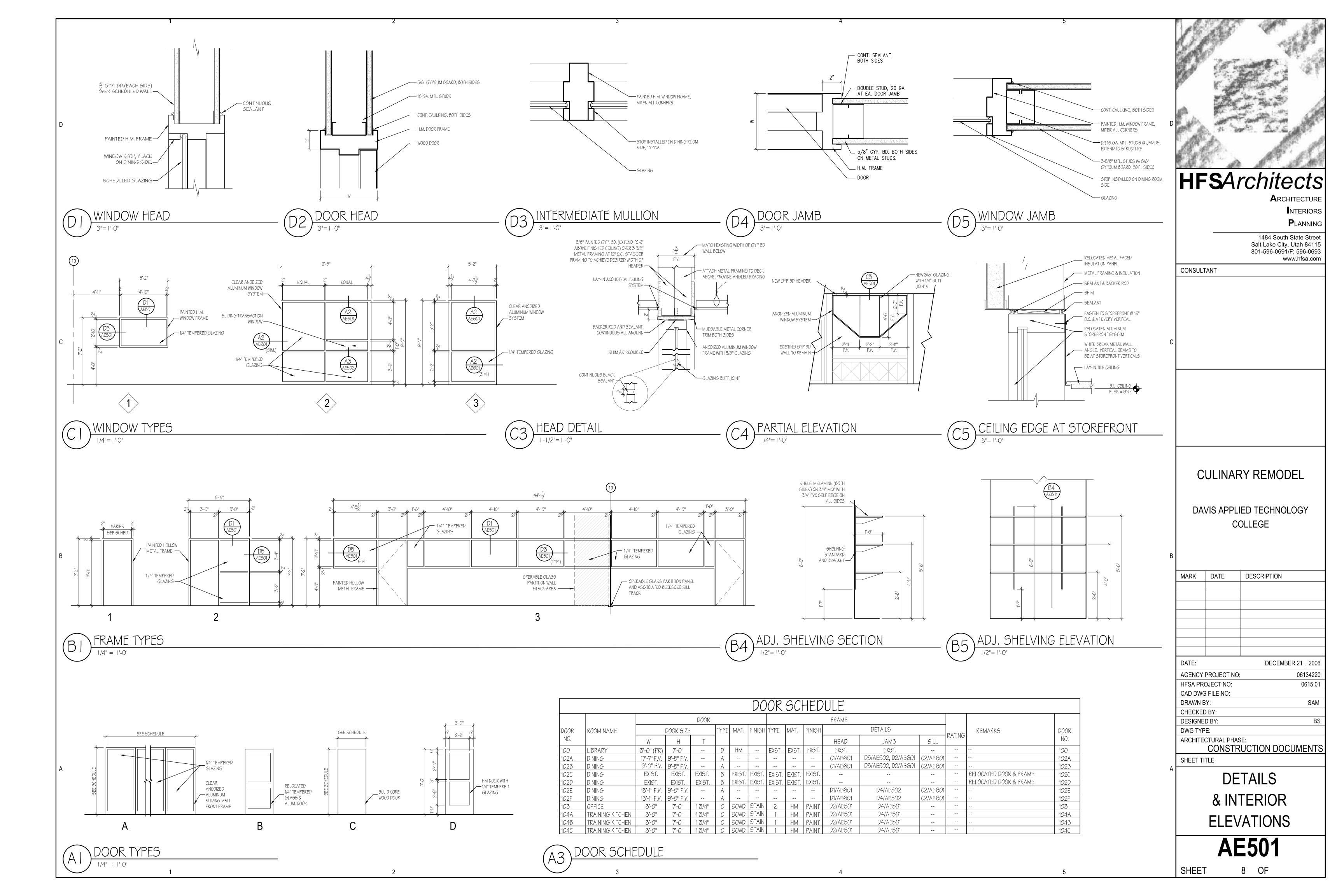


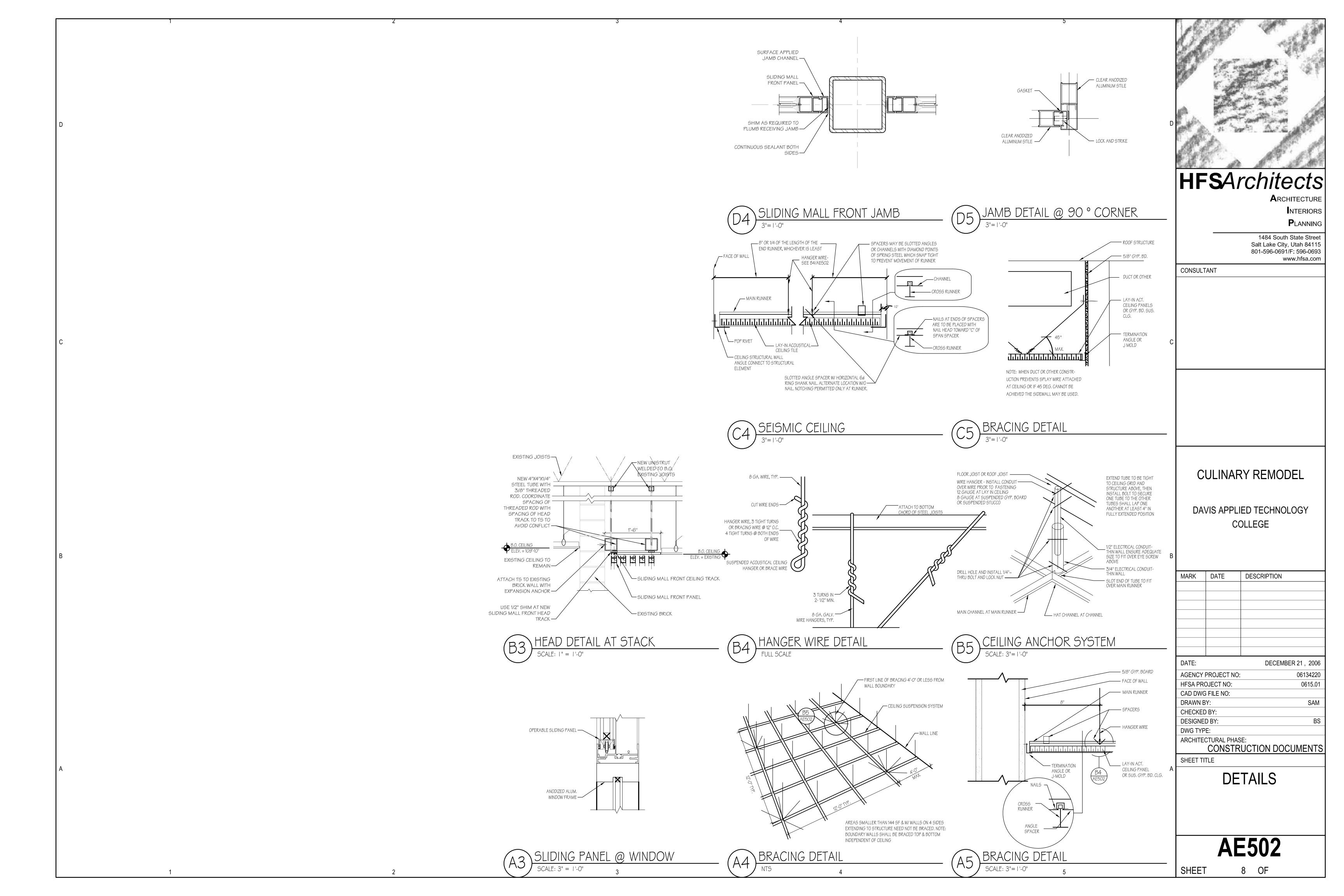


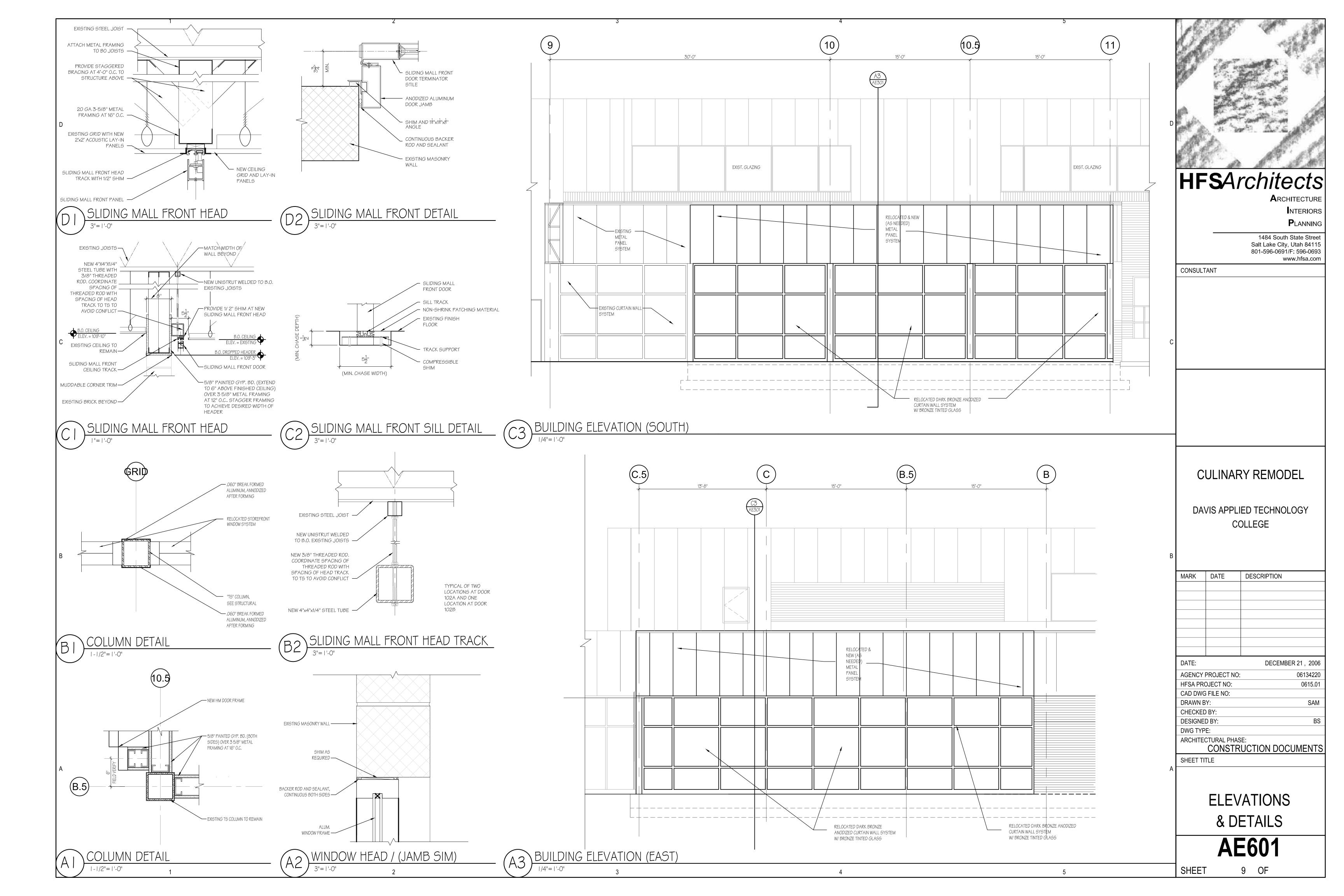












BASIS OF DESIGN

BUILDING CLASSIFICATION CATEGORY GRAVITY DESIGN: DEAD LOADS Roofs 20 psf LIVE LOADS Roofs SNOW LOADS Snow load on ground, 42.8 psf Pg Snow load on flat roof, Pf 30 psf Exposure factor: Ce Importance factor: Is Thermal factor: Ct 4. WIND DESIGN: Basic wind speed Importance factor: Iw Exposure Design wind load 25 psf 5. SEISMIC DESIGN: Seismic use group: Ie Importance factor: Mapped Spectral response accelerations: Site class Spectral response coefficients: SDs & SD1 0.91 & 0.57 Seismic Design Category Basic Seismic-Force-Resisting System: Moment Frame w/ Intermediate Steel Frame Design Base Shear 0.14W kips Seismic response coefficient: Cs 0.14 Response modification factor: R 4.5 Analysis procedure: EQUIVALENT LATERAL FORCE 6. SOILS:

Lateral earth pressure ABBREVIATIONS: ARCH = Architect

EOR = Engineer of record. See professional stamp this page.

Soil bearing pressure 2500 psf

UNO = Unless noted otherwise (E) = Existing condition (N) = New construction

GENERAL

1. THE GENERAL CONTRACTOR SHALL:

A. Be familiar with the contract documents and insure that subcontractors are familiar with their portion of the work. Submit a written request to the Arch/EOR for approval before proceeding with any changes.

B. Verifies site conditions and dimensions at the site. If they differ from the contract documents, notify the Arch/EOR prior to fabrication/construction of affected elements. Existing condition information on the drawings is based on best knowledge acquired during the design phase and may differ from actual conditions. Affected details may require redesign. C. Report to the Arch/EOR modifications made to the structure.

and adjacent properties. 2. THE GENERAL CONTRACTOR SHALL COORDINATE:

A. And verify locations, weights and sizes of mechanical units, equipment, etc. prior to the fabrication and erecting of structural supporting elements. Report sizes and locations that differ from those shown on the drawings to the Arch/EOR for review. Additional framing maybe required.

D. Be responsible for safety and protection on and around the job site

B. Roof, floor, and wall openings required for mechanical, etc. which are not shown on the structural drawings with the Arch/EOR. C. Any structural situation not covered by the drawings with the

D. Doors, windows, walls, elevations, slopes, stairs, curbs, drains, recesses, depressions, railings, waterproofing, finishes, chamfers, kerfs, pads, landscape walls, trenches in slabs, etc. with the structural work. E. Inspections, testing, and structural observations as work proceeds.

Notify the EOR 48 hours prior to any required structural observations.

3. CONTRACT DOCUMENTS & DRAWINGS: A. These structural notes complement the specifications and the

B. Specific details, sections and notes shown on the drawings govern

over these general notes and typical details. C. Contract documents take precedence over shop drawings, UNO. Apply typical or similar details, sections and notes to similar situations on the drawings where specific details are not

E. Drawings and details have been prepared to visually represent information provided in scaled form. However, DO NOT scale plans or details for dimensional information.

F. Refer to architectural drawings for dimensions. 4. BUILDING CODE COMPLIANCE: Construction, inspection, materials, testing, and workmanship shall conform to the requirements of the governing

building code. 5. CONSTRUCTION SEQUENCE, SHORING, AND BRACING REQUIREMENTS: The general contractor is responsible for the method, means, and sequence of structural erection, UNO. He shall provide adequate temporary shoring or bracing for all structural elements until the entire structural

6. OMISSIONS, CONFLICTS & DISCREPANCIES:

additional cost to the owner.

A. Bring omissions, conflicts or discrepancies between the elements of the contract documents to the attention of the Arch/EOR before proceeding with work involved. B. In case of conflicts or discrepancies, follow the most stringent

system is completed. Design of shoring and bracing is by others at no

requirements as directed by the Arch/EOR.

A. During and after construction, builder and/owner shall keep loads on the structure within the limits of this design. See Basis of

B. Site observations by WCA's field representative shall neither be construed as inspection nor approval of construction.

8. SUBMITTALS: A. Make submittals in a timely manner. WCA's review is for general compliance only and is not intended as approval. Contractor is responsible for verifying sizes, dimensions and elevations on submittals as related to the contract documents.

B. Submit the following items for review prior to proceeding with the

Concrete material Certifications & mix designs.

Shop Drawings: Reinforcing steel Steel joist/girder Steel deck Structural steel

Special loads on the structure. Roof, floor and wall openings not shown on the drawings. Welding procedures and certifications. Veneer ties and anchors.

C. Allow one week for the review of submittals by the EOR.

D. Have EOR approved shop drawings & materials on site before construction of those components begin.

E. Substitutions are not allowed unless approved by the EOR. Submit requests for structural substitutions to the Arch/EOR.

CONCRETE

1. CODES AND STANDARDS. Comply with the following Codes: A. ACI 301, "Specifications for Structural Concrete for Buildings". B. ACI 318, "Building Code Requirements for Reinforced Concrete".

C. ACI 347, "Recommended Practice for Concrete Form Work". 2. MATERIALS shall conform to the following:

A. Cement; ASTM C150, Type I, Portland Cement. B. Hard rock aggregates: ASTM C33 C. Water shall be potable.

ASTM C260 D. Air entrainment: E. Flv ash: ASTM C618 F. Calcium chloride SHALL NOT be used.

3. MIX DESIGNS:

A. Place only one type of concrete at any given time. B. The maximum slump shall be 4" w/o plasticizer added.

C. Use pea gravel and/or plasticizer in congested areas.). Limit fly ash to 20% of the total cement. E. Concrete mixes shall conform to the following:

28 DAY MAX. MAX. AIR STRENGTH W/C DRY AGGREGATE CONCRETE WEIGHT SIZE MEMBER (ratio) (pcf) (inches) (%) 3000 0.50 150 3/4 3 ±1 Footings: Foundation walls and grade beams: 3/4 3 ±1 4000 0.45 150 Slabs on grade: Interior 3000 0.50 150 1.5* 0 to 2

0.47 150 1.5* 6 ±1 Exterior 4000 Columns: 4000 0.45 150 3/4 3 ±1 *Well-graded Aggregates required (1.5"=> course >3/8", medium, and fines <#8) Follow ACI 302 for sand gradation.</pre>

4. CONSTRUCTION:

A. Mechanically vibrate concrete during placement. B. Prior to placing concrete, check with trades to insure proper placement of openings, block outs, sleeves, curbs, conduits, bolts, inserts, embeds, dowels, etc. Place anchor bolts and dowels prior to casting concrete, UNO.

C. Form construction joints and bulkheads with a key way. Intentionally roughen contact surfaces (new or existing) at construction joints prior to casting adjacent pours, UNO. D. Add additional reinforcing too sides of floor and wall opening, equivalent to the bars cut by the opening with half to each side of the opening or (2) #5 bars, whichever is greater, UNO. Bars parallel

to the principal reinforcing shall run full length of the span. End

bars in the other direction with a standard hook. Add (2) $#5 \times 5'-0"$ diagonal bars at every corner. E. DO NOT allow penetrations through any beam, joist, column, pier, footing, or jamb without the EOR's approval. Otherwise, re-rout the penetration.

5. FOOTINGS:

A. Bear footings on properly prepared materials. B. Center footings on the wall or column above, UNO.

C. Bear exterior footings below the effects of frost. See Basis of

D. Provide 2x4 beveled key in continuous wall footings. E. Stagger footing construction joints from wall construction joints above by at least 6 feet.

F. Provide corner bars in continuous footings at corners and intersections. G. Add (2) #6 or (3) #5 lengthwise top bars in addition to footing

schedule reinforcement at continuous footings without concrete foundation walls directly above (door openings, etc.). H. DO NOT allow penetrations through any concrete footing. At utilities, step the footing down below the conflict and add a concrete wall, pier or column that extends to the footing. Consult

I. Backfill bearing surfaces that are undermined during construction with a lean concrete mix (1000 psi min.).

6. SLABS ON GRADE (SOG): A. Minimum Interior slabs on grade requirements:

4 inches thickness. 4 inch layer of free-draining gravel base. #4 bars at 24" o.c. both ways, UNO. Chair rebar for proper placement.

B. Subdivide by construction or contraction (control) joints into roughly squares whose sides DO NOT exceed 15 feet in either C. See Architectural for exterior slabs on grade, UNO.

7. WALLS:

A. Place vertical reinforcing in the center of walls (UNO) unless each face (E.F.) is specified. When each face is specified, splice the horizontal reinforcing of each curtain at different locations. B. Dowel vertical reinforcing to the structure below and above with the

same bar size and spacing, UNO. C. Terminate horizontal reinforcing at the ends of walls or openings with a standard hook or corner type bars. Provide corner bars of the size and spacing as the horizontal reinforcing at intersections and D. Build penetrations into the wall before pouring concrete. Have the

penetrations reviewed by the EOR prior to installation unless detailed on the plans. E. Provide drains at the base of retaining and basement walls. F. Concrete walls not specially noted on the plans shall be reinforced

as follows: VERTICAL HORIZONTAL TOP & BOT.

THICKNESS REINFORCING REINFORCING HORZ. REINFORCING #4 @ 12" o.c. (2) #5

8" #4 @ 12" o.c.

See plans, schedules, and details for other reinforcing.

SPECIAL INSPECTION AND TESTING

penetration welds.

1. INSPECTIONS: Provide special inspection by an independent agency in accordance with IBC Chapter 17 and as outlined below:

Anchor bolts and concrete & masonry embedments. Concrete: during pours, rebar placement, and taking of test specimens. Inspectors shall be ACI-II or ICC certified. Reinforcing steel: in concrete and masonry.

Soils: bearing materials and placement of structural fill. Steel Deck: (periodic) Steel to steel bolting: all high strength bolts.

Welding: all field welds. Inspector shall be AWS-QC1 certified. 2. TESTING: The owner will provide testing by qualified testing personnel for the following types of construction:

Bolting: installation and correct torque and/or tension. Concrete: strength, slump, air, and temperature. Soils: compaction. Welding: type, size, length, and quality of shop and all field welds by approved methods. Ultrasonically test complete

3. THE CONTRACTOR SHALL:

A. Coordinate testing. DO NOT proceed with subsequent work until inspections and testing has been approved. B. Copy inspection reports/testing results to the Arch/EOR and owner before work proceeds.

FOUNDATIONS

1. NO SOILS REPORT: A. The contractor shall retain a soils engineer to observe the excavations and verify that the assumed soil bearing pressures and parameters can be obtained. (See Basis of Design) B. Take corrective measures to obtain the assumed soil parameters or

C. Correct deficient work at no additional cost to the owner.

REINFORCING STEEL

1. CODES AND STANDARDS. Comply with: a. CRSI "Manual of Standard Practice"

submit findings to the EOR for a re-design.

b. ACI "Detailing Manual", ACI 315 (or SP-66).

A. New stock deformed rebar: ASTM A615, Grade 60, except as noted. a. Field bent dowels: ASTM A615, Grade 40 or ASTM A706, Grade 60, Low-Alloy Steel. Reduce spacing of grade 40 dowels by 1/3. ASTM A706, Grade 60, Low-Alloy Steel. b. Welded rebar:

3. CONSTRUCTION: A. Detail, bolster, and support all rebar. Tie bars securely with

proper clearances before casting concrete. B. Use rebar free of loose flaky rust, scale, grease, oil, dirt, and other materials, which affect or impair bond. C. Place rebar continuous in walls, beams, columns, slabs, footings,

D. Minimum lap splices (Inches): (Minimum lap 24")

Concrete: 24" 24" 24" 33" 53" 66" 80" 96" 113" In walls, make top bar splices at mid-spans and bottom bar splices at

columns, UNO. E. Make cold bends. DO NOT use heat. Bends in the fabricator's shop, UNO. DO NOT unbend or rebend a previously bent bar. F. Minimum concrete cover: (securely position and anchor rebar prior

Cast against and permanently exposed to earth .. 3" Exposed to earth or weather: #6 and larger #5 and smaller 1-1/2" NOT exposed to earth or weather: Slabs, walls and joist, #11 & smaller 3/4" Beams, columns: Main reinforcing or ties 1-1/2" Slabs-On-Grade (SOG) Center of slab, UNO

G. DO NOT weld reinforcing unless specifically noted. Use E-90XX electrodes and ASTM A706 reinforcing. Comply with AWS requirements.

MASONRY VENEER ANCHOR TIES

1. PRODUCT: Use hot-dipped galvanized ties as follows a. Dovetail anchors.

b. DX-10 seismic clip interlock system by Hohmann & Barnard. c. EOR approved two-piece adjustable.

to pour)

A. Provide one tie for every 2 square feet of wall area. B. Maximum tie spacing is 16"o.c. Vert. & Horz. for 2x4 studs and 12"o.c. Vert. & 24"o.c. Horz. for 2x6's. Cover studs with 1/2"

sheathing and approved paper. C. Provide a continuous horizontal galvanized #9 wire in the center third of mortar joints at vertical tie spacing. Engage or enclose

the #9 wire at all anchor ties. D. Provide construction joints in veneer as per the architectural drawings with maximum 30'-0" o.c. spacing for brick and 15'-0" o.c.

STEEL DECK

1. PRODUCT: A. See plans for deck size and gauge, etc.

B. Manufacture deck and accessories from cold rolled steel conforming to ASTM A-446 Grade A (galvanized G-60), and conform to the Steel Deck Institute and AISC Standards.

2. CONSTRUCTION: A. Install deck with a minimum of 3 spans, UNO. Where such layout is impossible, decking must meet design criteria for simple span

B. Provide 2" minimum deck bearing and 4" lap at splice locations. Provide structural support (angles, etc.) around the perimeter of all deck openings. C. DO NOT bend or mar deck.

D. Store decking off the ground with one end elevated. Cover with waterproof material and ventilate to avoid condensation.

3. DECK WELDING REQUIREMENTS:

A. See plans for welding pattern. B. Weld to framing members with E60XX or E70XX electrodes.

C. Use 3/4" diameter puddle welds. Penetrate all deck layers with weld metal and have proper fusion to the supporting steel. D. Crimp side seams before welding side laps or use Verco's Punchlok system w/ connections @ 12" o.c. max. Engage all layers of the deck

material. E. Overlap end laps at least 2" directly over a single steel support. Place welds 1" from the edge of the deck or more. F. Welds 3/8" x 1.5" long may replace 3/4" diameter welds.

STRUCTURAL STEEL

1. CODES AND STANDARDS: Comply with: A. AISC "Specification for Structural Steel Buildings & Commentary".

B. AISC "Code of Standard Practice" excluding sections 7.5.4, and C. AWS "Structural Welding Code", exclude items conflicting with AISC.

2. MATERIALS SHALL CONFORM AS FOLLOWS:

ASTM A992 Fy = 50 ksi.A. Wide Flange beams: ASTM A53 Fy = 36 ksi. 3. Other shapes & plates: ASTM A500, Fy = 46 ksi, Gr. B.. Hollow Structural Sections: O. High strength bolts: ASTM A325.

ASTM F1554 Fy = 36 ksi.. Anchor rods: . Other bolts: ASTM A307 or better. Welded anchors (studs) and deformed bar anchors (DBA's): manufacturer's specifications. DO NOT substitute reinforcing for

3. CONSTRUCTION:

A. Fabricate in an approved fabricator's shop.

B. Fabricate beams with incidental camber up, UNO. C. Use 6000 psi (minimum at 28-day) non-shrink liquid grout beneath bearing plates. Place grout per manufacturer's recommendations prior to loading member.

4. BOLTED CONNECTIONS:

A. Use 3/4" diameter bolts in Std. holes (bolt diameter + 1/16"), UNO. B. Steel-to-steel connections: Use ASTM A325 type "N" connections,

C. Other connections: Use ASTM A307 bolts or better except for anchor

rods, UNO. D. Use hardened washers beneath the turned element of the bolt or nut. Use beveled hardened washers where the outer face of bolted parts has a slope greater than one in twenty with respect to the plane normal to the bolts axis. At oversized holes, use hardened washers or plates at least 5/16" thick conforming to ASTM F436. E. Tighten bolts until all plies of the joint are in firm contact.

Snug tight condition, UNO. F. Enlarge bolt holes by reaming. DO NOT torch cut.

5. WELDED CONNECTIONS:

A. Perform welding and cutting by AWS certified welders in accordance with ANSI/AWS D1.1 (latest edition). B. For typical shop & field welds, use filler metals with nominal 70

ksi tensile strength having: a. Matching material for multiple pass welds. b. A diffusible hydrogen limit of H16 or less. c. A CVN toughness of 20 ft-lbs at 0 deg. F.

C. Use pre-qualified procedures. D. Weld intersecting steel shapes together, which are not connected with bolts, with all-around fillet welds, UNO.

E. Weld studs and DBA's according to Manufacturer's specs F. Wherever possible use shop welds. The contractor shall coordinate field and shop welds between shop fabrication and the steel erector. G. Remove slag from welds.

STEEL JOISTS

1. PRODUCT: Design, fabricate, and install open web joists and accessories in compliance with the "Standard Specifications of the Steel Joist Institute", AISC specifications and with product approval from the Steel Joist Institute.

A. The manufacturer is responsible for the design and fabrication of the joists and their accessories.

B. Design roof joists to support a net uplift of 15 psf in addition to the vertical loads shown in the BASIS OF DESIGN section of these general notes.

C. Design joists to support mechanical units, special equipment, suspended loads and those loads specifically shown on the drawings. Coordinate with the contractor.

3. FABRICATION AND ERECTION:

A. Provide bridging as shown or called out on the framing plans. Include a horizontal line of bridging at the first bottom chord panel point of all roof joist. If additional bridging is required, show on the shop drawings and provide at no additional cost to the owner. Coordinate.

B. DO NOT: a. Cut, drill, alter, modify, or omit any part of any joist without written consent and direction from the manufacturer. b. Hang or place mechanical equipment, pipes or other concentrated loads on joists or girders unless positioned within 4" of a panel point or add (2) L2x2x1/4 angle braces between the load and the

nearest opposite chord panel point.

STEEL STUD FRAMING

or each other, UNO

to connecting members.

1. PRODUCT: A. Stud type and size as shown on the plans are per the "Metal Stud Manufacturer's Association" catalog. Alternate systems will be considered if the contractor identifies & provides equivalent sections as those shown on the plans. The alternate system must be

approved by the EOR before installation. B. Prime paint carbon steel and accessories with rust inhibitive paint meeting performance requirements of TT-P-636C. If this requirement can not be met, use galvanized materials.

A. 18-gauge & lighter studs, tracks & joists: Fy = 33 ksi min. B. 16-gauge & heavier studs, tracts & joists: Fy = 50 ksi min. C. Carbon Steel: Fy = 33 or 50 ksi ASTM $\overline{A570}$ ASTM A446 Grade A Galvanized Steel Fv = 33 ksi

Fy = 50 ksi3. CONNECTIONS: Fasten components by field welding, UNO. Touch-up welds with paint. Touch-up welds of galvanized steel with zinc-rich paint.

ASTM A446 Grade D

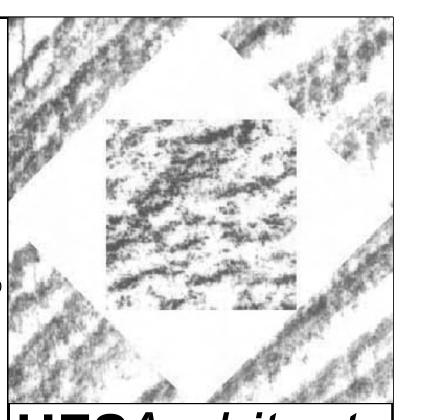
4. CONSTRUCTION: a. Anchor tracks to the supporting structure w/ 5/8" dia. bolts @ 32"

lower tracks. Bearing walls must be framed with studs seated against the track webs (No gaps). d. Frame headers and supporting studs at wall openings. e. Install jack studs or cripples below windowsills, above window and door heads, and elsewhere to furnish support and securely attached

b. Butt-weld abutting lengths of track to a common structural element

c. Plumb, align and securely attach studs to flanges of both upper and

5. SHOP DRAWINGS: Prior to fabrication or framing the contractor shall submit erection drawings and design calculations prepared by the manufacturer or supplier for review by the structural engineer. Construction shall follow the approved shop drawings.



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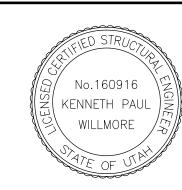
NTERIORS

PLANNING

CONSULTANT



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CULINARY REMODEL

DAVIS APPLIED TECHNOLOGY COLLEGE

MARK	DATE	DESCRIPTION
DATE:		
AGENCY	PROJECT NO:	06134220

0615.01

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DESIGNED BY: DWG TYPE: ARCHITECTURAL PHASE: CONSTRUCTION DOCUMENTS

HFSA PROJECT NO:

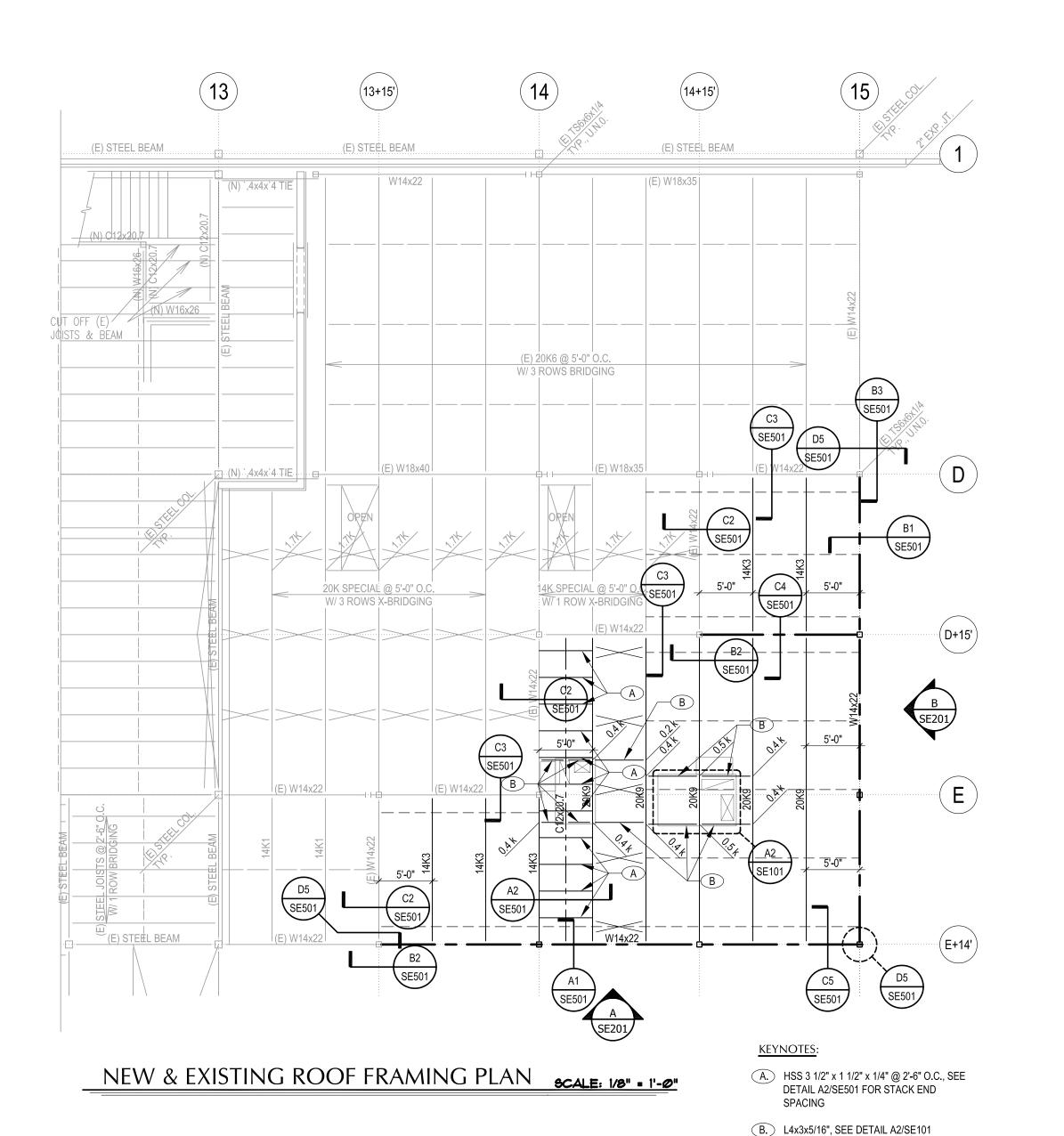
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DRAWN BY:

CHECKED BY:

SHEET TITLE

GENERAL STRUCTURAL NOTES (GSN)



KEYNOTES:

DECK OPENING

LLV (TYP.)

4

FOLDING PARTITION SUPPORT

SE101 NO SCALE

SECTION A-A

SECTION B-B

1. STEEL ROOF JOIST (TYP.)

3. 2x2x1/4" ANGLE BRACE FROM ANGLE

BEARING TO BOTTOM CHORD

BEARS AT TOP CHORD PANEL

4. L3x3x1/4 FROM 1'-0" TO 3'-0" SPAN

5. L6x4x5/16 FROM 3'-0" TO 10'-0" SPAN.

A. USE THIS DETAIL AT OPENINGS 12"

OR GREATER. OPENINGS LESS

& FASTENED TO DECK @ 6"o.c.

SHOWN ON THE FRAMING PLAN,

CONTRACTOR IS TO COORDINATE

WEIGHTS AND LOCATIONS WITH

IF ROOF TOP UNITS ARE NOT

JOIST SUPPLIER.

THAN 12" SHALL BE REINFORCED

WITH 16 GAUGE PLATE, 10" LARGER

THAN OPENING IN ALL DIRECTIONS

PANEL POINT (NOT REQ'D IF ANGLE

2. 4x3x5/16" ANGLE (LLV)

NEW & EXISTING FOOTING & FOUNDATION PLAN SCALE: 1/8" = 1'-0"

(E) STEEL BEAM

(N) `,4x4x`4 TIE

(E) STEEL BEAM

(E) STEEL BEAM

1. (3) ROWS BRIDGING @ 14K1 JOIST

2. (5) ROWS BRIDGING @ 20K JOIST

(E) STEEL BEAM

CONCRETE SLAB

4" CONCRETE SLAB ON 4" FREE- DRAINING GRAVEL. REINFORCE WITH #4 BARS AT 24" O.C.

EACH WAY. PLACE IN CENTER OF SLAB. FOR

CONTROL JOINTS & REINF. LAPS AND SPLICES,

WIDTH LENGTH THICK

C.W. = CROSSWISE E.W. = EACH WAY L.W. = LENGTHWISE

BEAR FOOTINGS ON PROPERLY PREPARED MATERIAL.

#4 @ 12" O.C.

ALL WALLS ARE MARK CW-1, U.N.O..

ALL FOOTINGS ARE MARK F-1, U.N.O..

MARK | THICKNESS | VERTICAL REINF.

F-2 3'-6" 3'-6" 12" (4) #5 x 3'-0" E.W.

BEAR EXTERIOR FOOTINGS BELOW THE EFFECTS OF FROST.

PROVIDE 3" CLEAR CONCRETE COVER AT BOTTOM REINF., UNO.

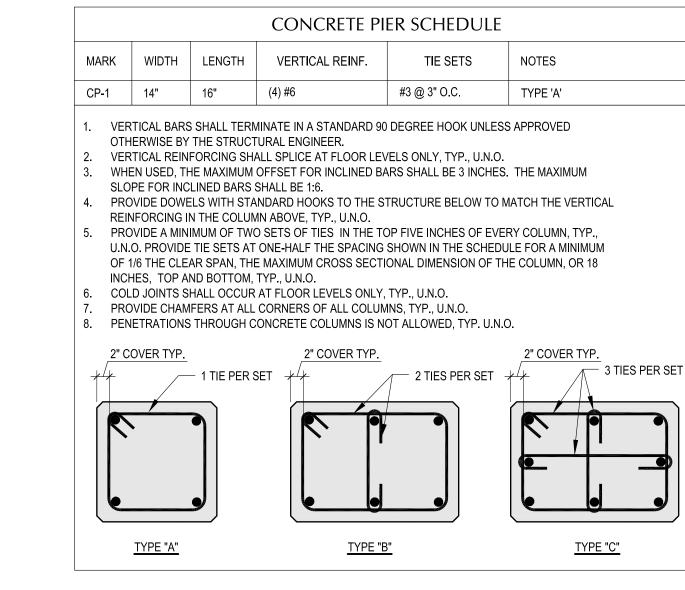
REQUIRE ADDITIONAL REINFORCING. COORDINATE WITH THE EOR

. ALL FOOTINGS TO BEAR ON ENGINEERED FILL. SEE SOILS REPORT.

2'-0"

SEE DETAIL(S) D1 & D3/SE501

D4 SE501



	TYPE "A"	TYPE "B"	TYPE "C"	6.	PLACE THE PROVIDE I SPACING T
				7.	SPLICE VE
		ROOF DECKS		8.	SPLICES IN SPLICES IN
	SEE GENERAL NOTES: "STEEL DI	ECK" FOR ADDITIONAL INFORMATION.			
·	WITH PUDDLE WELDS HAVING A A. @ EACH FLUTE & TWO AT	UPPORTING FRAMING MEMBERS WIT FUSION AREA NOT LESS THAN 3/4" EF PANEL LAPS (ONE EACH SIDE OF SEA PARALLEL TO DECK CORRUGATIONS			
	C. FASTEN SIDE LAPS BY 1.5' LAPS OR USE VERCO'S PU	TOP SEAM WELDS AT 18" o.c. CRIMP	SIDE SEAMS BEFORE WELDING SIDE @ 12" o.c. MAX. ENGAGE ALL LAYERS		
	FUSION TO THE SUPPORT		to of beat, we have the		T)/DE 4

4

ROOF DECK: TYPE HSB-36 OR PLB-36, 20 GAGE, GALVANIZED G60, 36" WIDE, 1.5" DEEP, HAVING MINIMUM I = 0.216 IN⁴, +S = 0.235 IN³ AND -S = 0.248 IN³. DECK MUST MATCH (E) STEEL DECK TO FIT.

. ALL ROOF DECKING TO BE THREE SPANS MINIMUM.



ARCHITECTURE

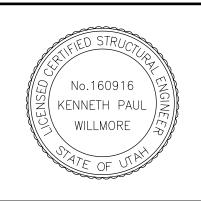
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ARCHITECTURAL PHASE: CONSTRUCTION DOCUMENTS

SHEET TITLE

SHEET

FOOTING & FOUNDATION PLAN

ROOF FRAMING PLAN

AT THE FACE OF THE WALL WITH MINIMUM COVER AS SPECIFIED IN THE GENERAL NOTES. PLACE THE VERTICAL REINFORCING CLOSEST TO THE FORMS, TYPICAL, U.N.O.. E DOWELS WITH STANDARD HOOKS TO THE STRUCTURE BELOW WITH SIZE AND TO ATTACH THE VERTICAL REINFORCING IN THE WALL ABOVE. VERTICAL REINFORCING AT FLOOR LEVELS ONLY, TYPICAL, U.N.O.. S IN HORIZONTAL REINFORCING IN ONE CURTAIN SHALL BE STAGGERED FROM S IN THE OPPOSITE CURTAIN A MINIMUM OF FOUR FEET. --- VERT. REINF. EACH FACE VERT. REINF. CENTERED IN WALL, — HORIZ. REINF. TYPE A: SINGLE CURTAIN AT WALL CENTERLINE TYPE B: DOUBLE CURTAIN

FOOTING SCHEDULE

CONCRETE WALL SCHEDULE

#4 @ 12" O.C.

PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTING WALLS, SEE DETAIL D2/SE501

WHEN A DOUBLE CURTAIN OF REINFORCING IS SPECIFIED, PLACE EACH CURTAIN OF STEEL

WHEN A SINGLE CURTAIN OF REINFORCING IS SPECIFIED, PLACE THE VERTICAL

HORIZONTAL REINF.

CONT. 12" (3) #5 CONTINUOUS

CENTER FOOTINGS BELOW THE WALL AND/OR COLUMN ABOVE, TYPICAL UNO.

PROVIDE DOWELS WITH STANDARD HOOK FROM FOOTINGS TO ANY REINFORCED ELEMENT

ABOVE. DOWEL SIZE TO MATCH VERTICAL REINFORCING IN ELEMENT ABOVE. UNO

ANY INCREASE IN THE SIZE OF FOOTINGS FOR CONSTRUCTION CONVENIENCE, MAY

CONTRACTOR TO VERIFY ALL WALL THICKNESSES W/ ARCHITECT.

REINFORCING IN THE CENTER OF THE WALL, TYPICAL, U.N.O..

PROVIDE 2x4 BEVELED KEYWAYS IN CONTINUOUS WALL FOOTINGS. UNO

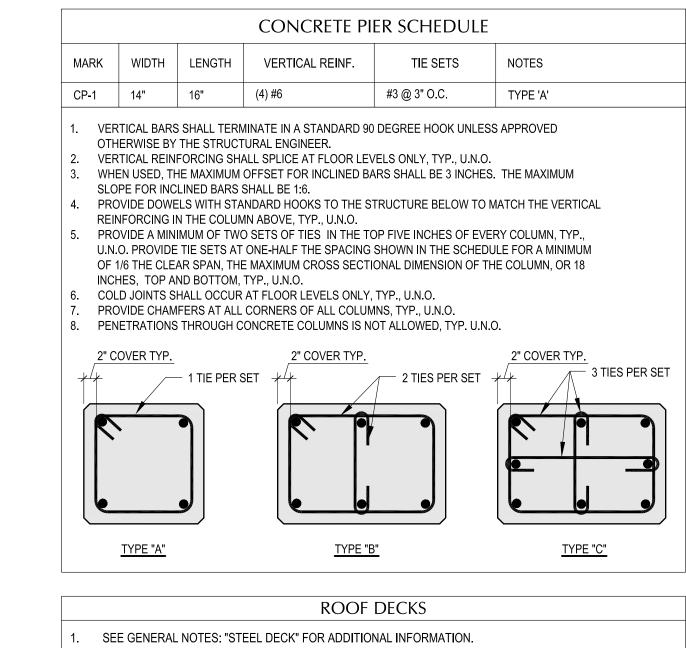
BOTTOM REINFORCING

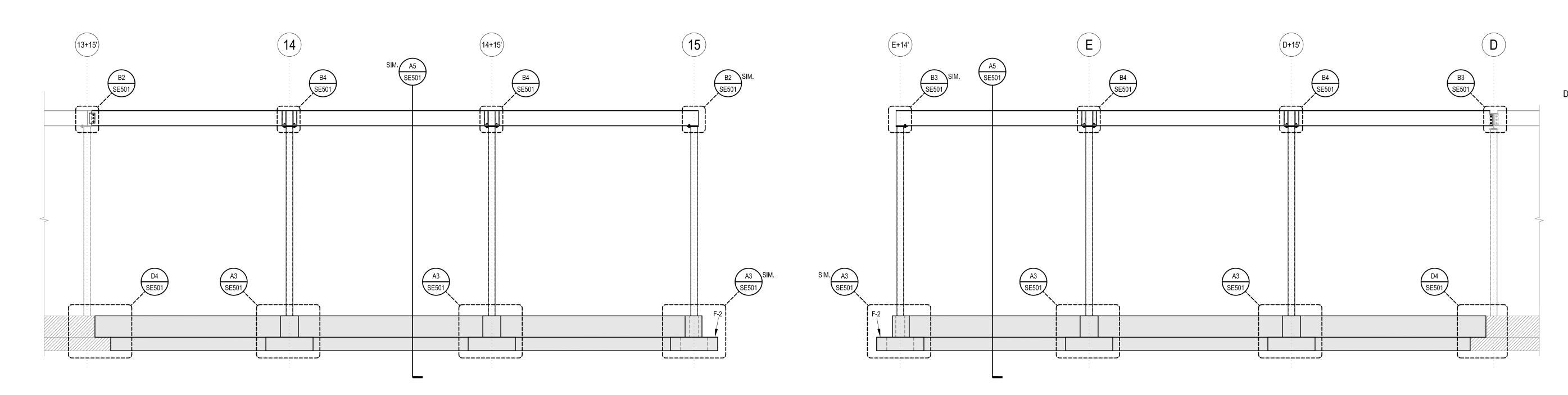
NOTES

(2) #5 TOP & BOTTOM, TYPE 'A'

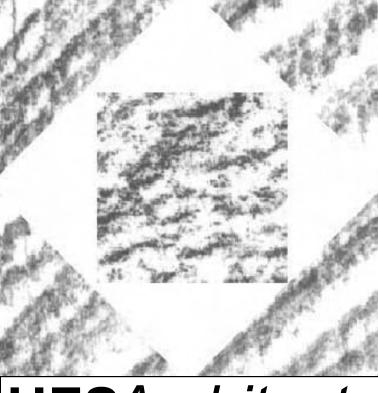
REINFORCING

NONE





ELEVATION 'B' SCALE: 1/4" = 1'-@"



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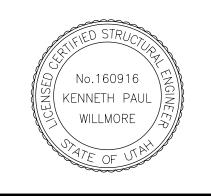
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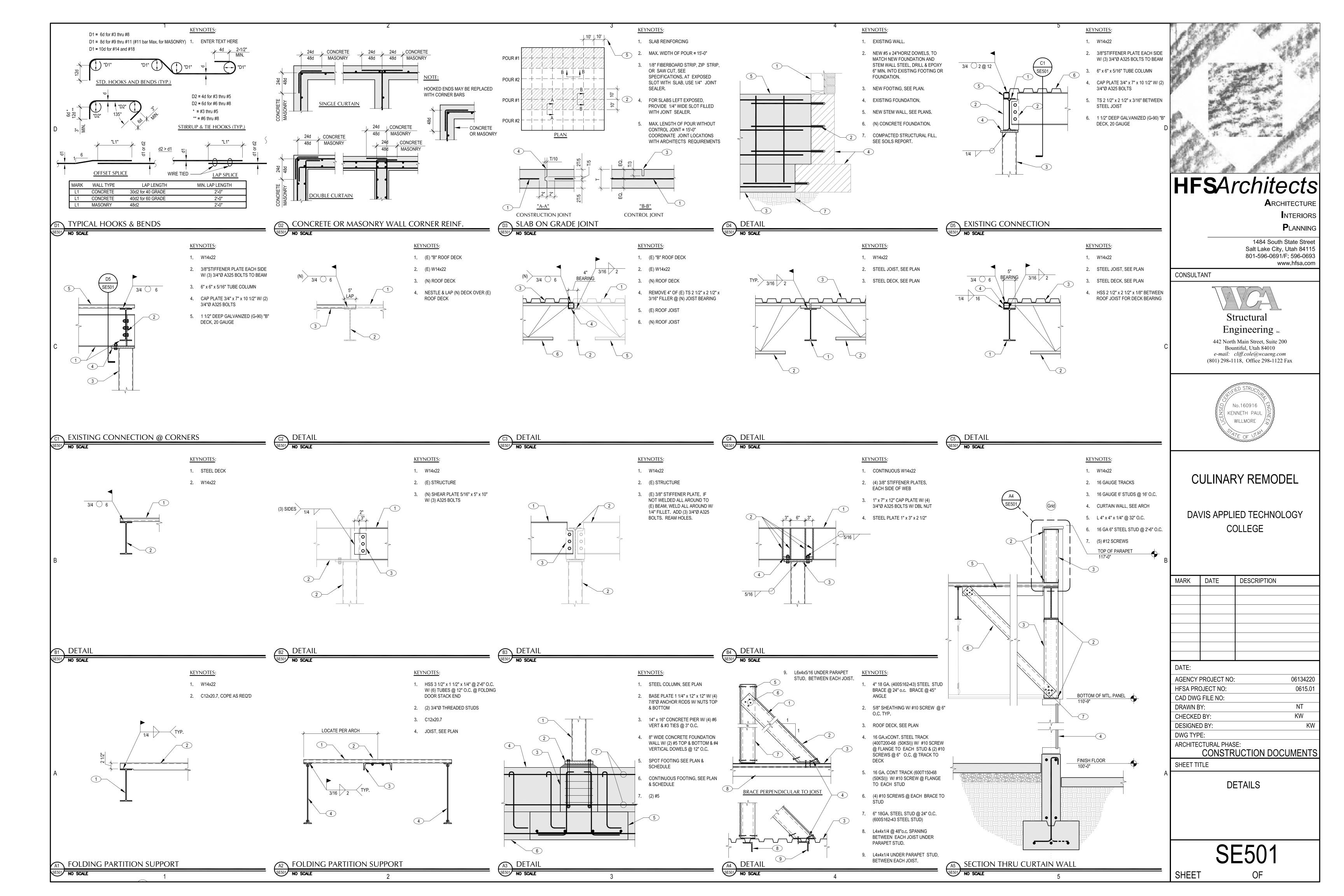
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SHEET TITLE

ELEVATIONS

ELEVATION 'A' SCALE: 1/4" = 1'-@"



		1			2			3
					MECHANICAL	LEGE	۷D	
SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION	SYMBOL	ABR.	DESCRIPTION
		GENERAL TERMINOLOGY			AIR SIDE			WET SIDE
A		SECTION LETTER DESIGNATION	⊱⊰ €∄		EXISTING AIR DUCT TO BE REMOVED			PUMP
ME-101		- SECTION DRAWN ON THIS SHEET	\		EXISTING AIR DUCT TO REMAIN			UNION
		– DETAIL NUMBER DESIGNATION	₩		NEW AIR DUCT			MANUAL ACTUATOR (BALL,
(A2)		CORRESPONDING WITH GRID LOCATION	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		RECT. TO RECT. AIR DUCT TAKE-OFF			BUTTERFLY, NEEDLE, ETC. VALVES)
AH		- MECHANICAL EQUIPMENT DESIGNATION	\frac{1}{2} \frac{1}{2}		RECT. TO RND. AIR DUCT TAKE-OFF			MANUAL ACTUATOR (GATE, GLOBE,
1		- EQUIPMENT ITEM DESIGNATION	7 5		RND. TO RND. AIR DUCT TAKE-OFF			S&D, OS&Y, ETC. VALVES)
D-1		REGISTER, GRILL OR DIFFUSER	1 1 1 1 1 1 1 1 1 1		RECT. TAKE-OFF AT END OF MAIN	M		ELECTRIC MOTOR ACTUATOR
CFM		DESIGNATION WITH BALANCING CFM LISTED BELOW	<u> </u>		BURIED OR UNDER FLOOR DUCT	S		SOLENOID ACTUATOR
		GRILLE, OR LOUVER DESIGNATION WHERE	Simming		FLEXIBLE AIR DUCT			THREADED OR SWEAT VALVE CONNECTION
R-1		BALANCING NOT REQUIRE	E		LINED DUCT			GATE VALVE
Â		REVISION DESIGNATOR AND NUMBER			VANED ELBOW			GLOBE VALVE - STRAIGHT PATTERN
(1)		KEY NOTE DESIGNATOR AND NUMBER			RADIUS ELBOW	*		GLOBE VALVE - ANGLE PATTERN
•	POC	POINT OF CONNECTION	₩ □		CONCENTRIC DUCT TRANSITION	M ————————————————————————————————————		MOTORIZED 2-WAY CONTROL VALVE
-	POR	POINT OF REMOVAL	\		ECCENTRIC DUCT TRANSITION	M		MOTORIZED 3-WAY CONTROL VALVE
AFF		ABOVE FINISHED FLOOR			FLEXIBLE AIR DUCT			CHECK VALVE
AP		ACCESS PANEL	-VD E → VD		VOLUME DAMPER		PRV	PRESSURE REDUCING VALVE
€ EL.		CENTER LINE ELEVATION	Ø		SUPPLY AIR DIFFUSER	_ <u></u>	PRV	PRESSURE REDUCING VALVE W/ CHECK
INV. ELEV.		INVERT ELEVATION	D		RETURN AIR, FRESH AIR, AND TRANSFER AIR		CBV	CIRCUIT BALANCING VALVE
GC		GENERAL CONTRACTOR	Ø		CEILING MOUNTED EXHAUST FAN OR EXHAUST GRILLE	— Ф—	BV	BALL VALVE
MC		MECHANICAL CONTRACTOR			RETURN OR OUTSIDE AIR DUCT UP			
CC		CONTROL CONTRACTOR			SUPPLY DUCT UP			
EC		ELECTRICAL CONTRACTOR			EXHAUST AIR INTAKE UP			
FPC		FIRE PROTECTION CONTROL			RETURN OR OUTSIDE AIR DUCT DOWN			
NIC		NOT IN CONTRACT			SUPPLY DUCT DOWN			
NTS		NOT TO SCALE			EXHAUST DUCT DOWN			
VCP		VITRIFIED CLAY PIPE	H9 (10)		ROUND DUCT UP			
С		COMMON	田		LOWER DUCT DOWN			
NC		NORMALLY CLOSED	R/		FLEXIBLE DUCT CONNECTION			
NO		NORMALLY OPEN			LOWER DUCT DOWN			
					FLEXIBLE DUCT CONNECTION			
			├		PARALLEL BLADE DAMPER			
			<u> </u>		OPPOSED BLADE DAMPER			
					AIRFLOW MEASURING STATION			
					FILTER BANK			
					COIL			
				AP	ACCESS PANEL			
					EXISTING EQUIPMENT TO BE REMOVED			
					EXISTING EQUIPMENT TO REMAIN			
					NEW EQUIPMENT			
			F	FD	FIRE DAMPER			
			R	RD	RADIATION TYPE FIRE DAMPER			
			s	SD	SMOKE DAMPER			
			FS	FS	FIRE & SMOKE DAMPER			
			T	T-STAT	WALL MOUNTED THERMOSTAT			
			S		WALL MOUNTED TEMP. SENSOR			
			SA		SUPPLY AIR			
			RA		RETURN AIR			
			EA		EXHAUST AIR			
			OA		OUTSIDE AIR			
			MA		MIXED AIR			
			FA		FRESH AIR			
			RF		RELIEF AIR			

GENERAL NOTES:

SYMBOL ABR.

-O--

DESCRIPTION

EXISTING PIPING TO BE REMOVED

EXISTING PIPING TO REMAIN

NATURAL GAS PIPING

WET SIDE CONT

PITCH DOWN

ELBOW UP

TEE UP

TEE DOWN

NEW PIPING

ELBOW DOWN

MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING DRAWINGS BY OTHER DISCIPLINES AND SPECIFICATIONS.

A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.

B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.

C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.

D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT

E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.

- ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. ARCHITECT SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.
- THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.
- THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.
- **G-7** SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.
- PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.
- PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.
- THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
- THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED **EQUIPMENT AND CONTROLS.**
- C.F.M. LISTED IS ACTUAL AIR.
- G-14 SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.
- CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.
- ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2003 EDITION OF THE IMC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.



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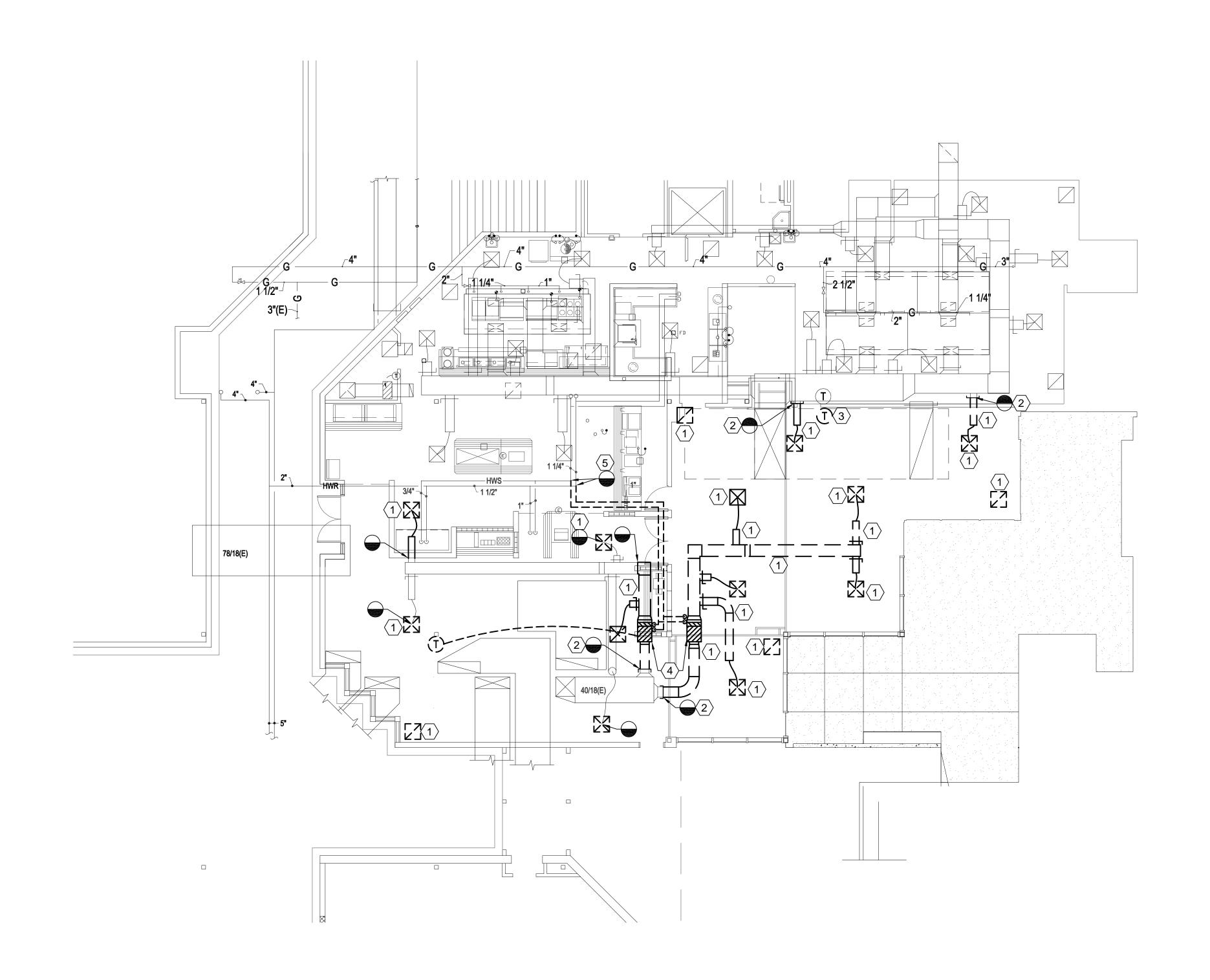
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DESIGNED BY:	WP
DWG TYPE:	MECHANICAL AND PLUMBING
ARCHITECTURAL PHASE:	

CONSTRUCTION DOCUMENTS

SHEET TITLE

MARK DATE

MECHANICAL GENERAL NOTES AND LEGEND



MECHANICAL DEMOLITION FLOOR PLAN SCALE: 1/8" = 1'-0"



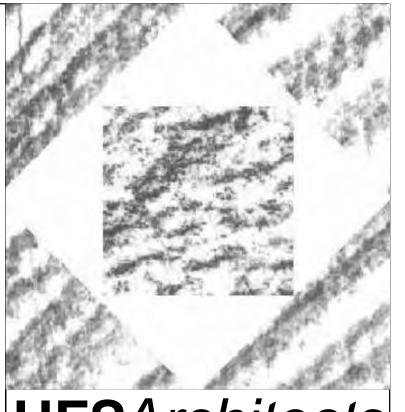
SHEET NOTES:

- 1 REMOVE EXISTING DIFFUSER, DUCTWORK, AND ACCESSORIES AS
- (2) CAP EXISTING DUCT BRANCH.
- REMOVE EXISTING THERMOSTAT AND ASSOCIATED CONTROLS, WIRING, ETC. UPDATE BMS.
- (4) EXISTING VAV BOX AND ASSOCIATED PIPING, DUCT, AND CONTROLS TO BE REMOVED.
- (5) REMOVE EXISTING PIPING BRANCH BACK TO MAIN AND CAP.

GENERAL NOTES:

FIELD VERIFY EXISTING CONDITIONS INCLUDING EXACT LOCATION OF MECHANICAL EQUIPMENT, PIPING, DUCTWORK, ETC.

KEY PLAN



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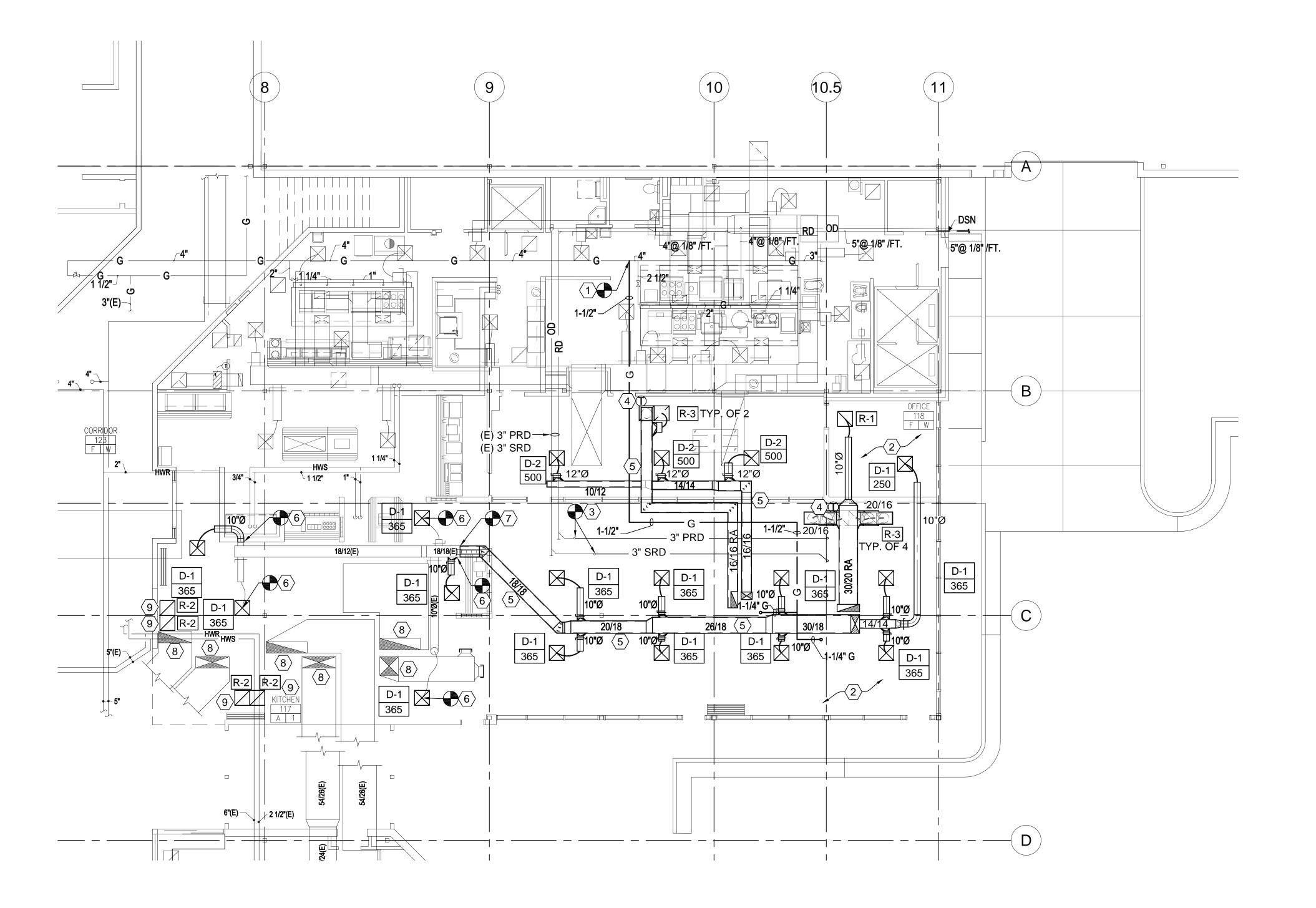
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MECHANICAL DEMOLITION FLOOR **PLANS**

MD101 SHEET



SHEET NOTES:

- CONNECT NEW 1-1/2" GAS PIPE TO EXISTING 4" GAS LINE ABOVE KITCHEN. ROUTE TIGHT TO STRUCTURE TO MINIMIZE CONFLICT WITH EXISTING AND NEW DUCTWORK. FIELD VERIFY EXACT LOCATION TO TIE IN. TOTAL NEW LOAD ON REG: 400MBH ESTIMATED TOTAL LOAD ON EXISTING REGULATOR: 4,712,950 DESIGN PRESSURE: 4 OZ LONGEST LENGTH TO REGLATOR:160'
- 2 EXTEND EXISTING FIRE SPRINKLER SYSTEM INTO NEW AREA. PROVIDE NEW HEADS TO MATCH EXISTING. PROVIDE SHOP DRAWINGS STAMPED BY NICET CERTIFIED DESIGNER.
- TIE NEW PRIMARY AND SECONDARY ROOF DRAINS INTO EXISTING ROOF DRAINS. FIELD VERIFY EXACT LOCATION FOR TIE IN.
- PROVIDE NEW THERMOSTAT FOR NEW ROOFTOP. VERIFY EXACT LOCATION OF THERMOSTAT WITH OWNER / USER. TIE INTO EXISTING BMS, UPDATE GRAPHICS, ETC.
- 5 FIELD VERIFY EXACT ROUTING OF DUCTWORK TO ENSURE BEST ROUTING.
- 6 PROVIDE NEW DIFFUSERS AND CONNECT TO EXISTING DUCTWORK. TRANSITION AS NECESSARY TO CONNECT TO EXISTING.
- 7 RECONNECT EXISTING MAIN SUPPLY TRUNK TO NEW SUPPLY FROM NEW RTU SERVING THE DINNING AREA.
- 8 EXISTING SUPPLY AND RETURN DUCTWORK FROM EXISTING AIR HANDLERS ABOVE SHALL REMAIN.
- 9 PROVIDE NEW CEILING RETURN
 GRILLES OPEN TO CEILING PLENUM
 FOR RETURN TO EXISTING SYSTEM.

GENERAL NOTES:

FIELD VERIFY EXISTING CONDITIONS INCLUDING EXACT LOCATION OF MECHANICAL EQUIPMENT, PIPING, DUCTWORK, ETC.

KEY PLAN



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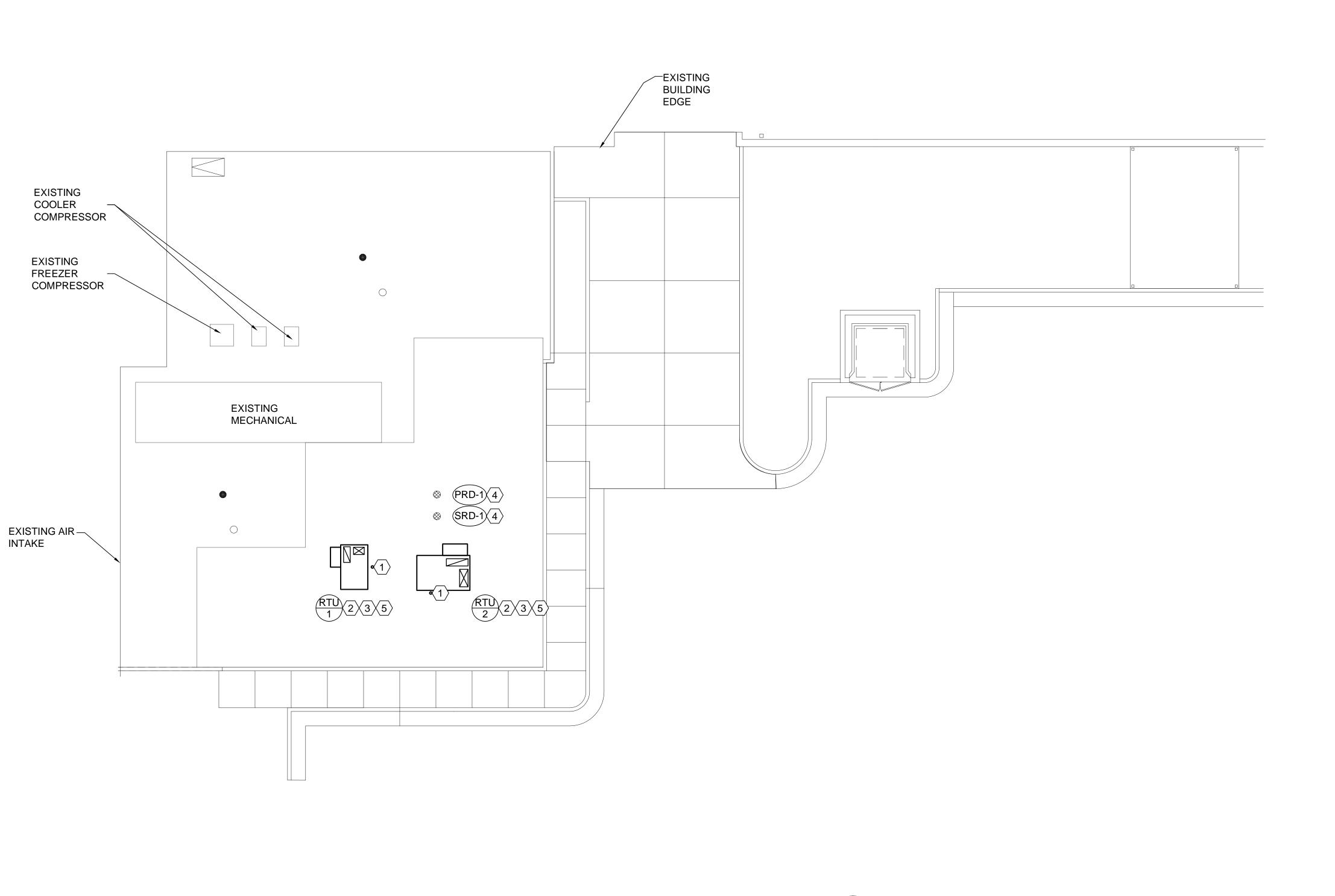
SHEET

MECHANICAL FLOOR PLAN

ME101

MECHANICAL FLOOR PLAN

SCALE: 1/8" = 1'-0"



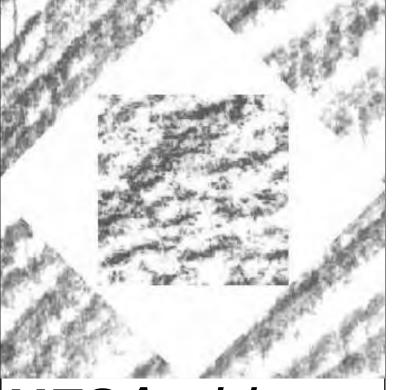
MECHANICAL ROOF PLAN

SCALE: 1/8" = 1'-0"

SHEET NOTES:

- SEE DETAIL A1 SHEET ME601 FOR GAS LINE CONNECTION TO UNIT. PATCH SEAL PENETRATION THRU ROOF.
- (2) MAINTAIN MINIMUM 10' CLEARANCE BETWEEN ROOF TOP UNITS AND EDGE OF ROOF.
- (3) FOLLOW MANUFACTURERS INSTALLATION INSTRUCTIONS AND CLEARANCE REQUIREMENTS FOR ROOF TOP UNITS.
- 4 ADD NEW PRIMARY AND SECONDARY ROOF DRAINS TO SERVE NEW ROOF AREA. TIE EXISTING PIPING BELOW. SEE SHEET ME101 FOR CONTINUATION.
- (5) VERIFY FLUES ARE INSTALLED A MINIMUM OF 25' FROM MAIN AIR HANDLER FRESH AIR INTAKE AND MAKE-UP AIR UNIT INTAKE. PROVIDE FLUE EXTENSION FOR FLUE TO DISCHARGE A MINIMUM 7' ABOVE THE ROOF.

KEY PLAN



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WHW ENGINEERING INC. ROFESSIONAL MECHANICAL ENGINEERING 1354 East 3300 South Suite 200 SALT LAKE CITY, UTAH 84106 (801)466-4021, FAX 466-8536 EMAIL: excellence@whw-engineering.com

CULINARY REMODEL

DAVIS APPLIED TECHNOLOGY COLLEGE

MARK	DATE	DESCRIPTION

DATE: AGENCY PROJECT NO: 06134220 HFSA PROJECT NO: 0615.01 CAD DWG FILE NO: STAFF DRAWN BY:

CHECKED BY: SLW DESIGNED BY: DWG TYPE: MECHANICAL AND PLUMBING

SHEET TITLE

ARCHITECTURAL PHASE:

CONSTRUCTION DOCUMENTS

MECHANICAL ROOF PLAN

ME102

				TRA	NSVERSE F	REINFORCIN	G (1)
		MINIMUM			AT JO	INTS	
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR	MIN. H. IN.	DRIVE SLIP PLAIN S SLIP	HEMMED S SLIP	ALTER'NT BAR SLIP	REIN- FORCED BAR SLIP
		INTERMEDIATE REINFORCING		RECOM- MENDED GAGE	RECOM- MENDED GAGE	RECOM- MENDED GAGE	RECOM- MENDED GAGE
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13 - 18	24	NONE REQUIRED	1	24	24	24	24
19 - 30	24	1"X1"X1/8" @ 60 IN	1	-	24	24	24
31 - 36	22	1"X1"X1/8" @ 60 IN	1	-	-	22	22

1. TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

DUCT CONSTRUCTION DETAIL

RETURN AIR BOOT

RETURN GRILLE

NOTE: TAKE-OFFS SHOULD NOT BE INSTALLED CLOSER

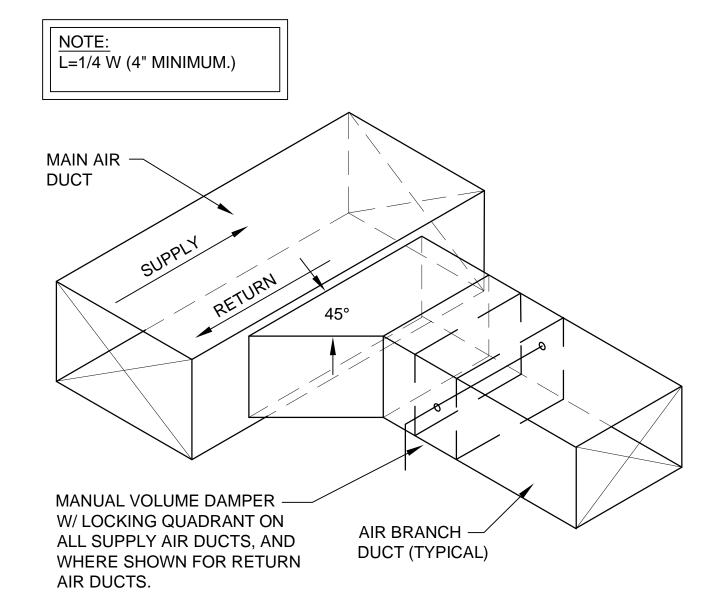
DETAIL

SCALE: NONE

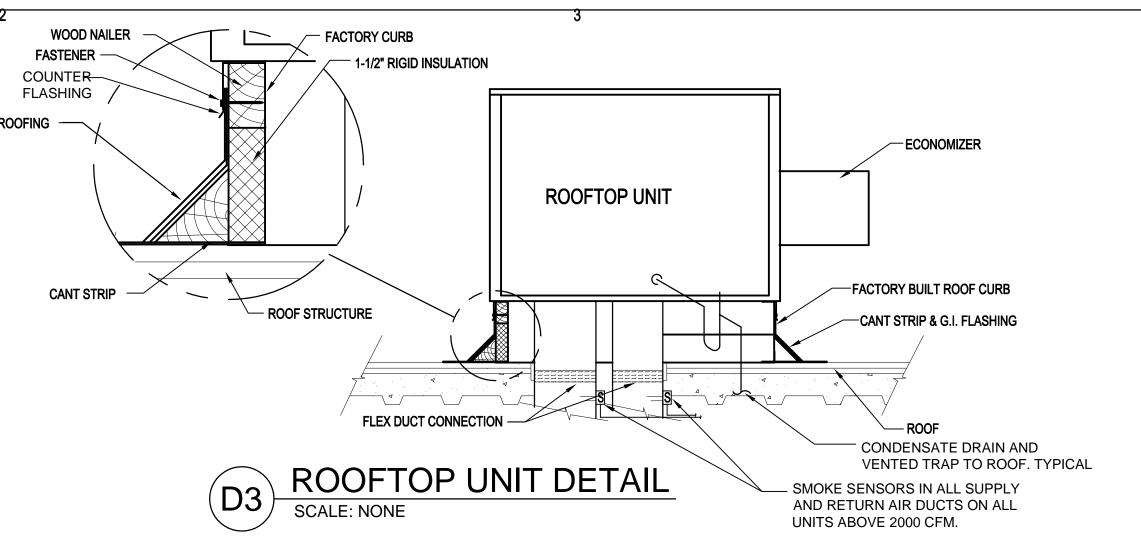
W/ 1" LINER

	LOW PRESSURE ROUND DUCT CONSTRUCTION SCHEDULE									
DUCT	_	M 2" W.G.	MAXIMUN							
DIAMETER	SPIRAL	POSITIVE LONGITUDINAL	STATIC N SPIRAL	LONGITUDINAL						
IN INCHES		SEAM GAUGE	SEAM GAUGE	SEAM GAUGE						
3 thru 8	28	28	28	24						
9 thru 14	28	26	26	24						
15 thru 26	26	24	24	22						
27 thru 36	24 22 22 20									
37 thru 50	22	20	20	18						

LOW PRESSURE ROUND **DUCT CONSTRUCTION DETAIL**



BRANCH DUCT TAKE-OFF & DAMPER DETAIL SCALE: NONE



PROVIDE HANGER STRAP TO

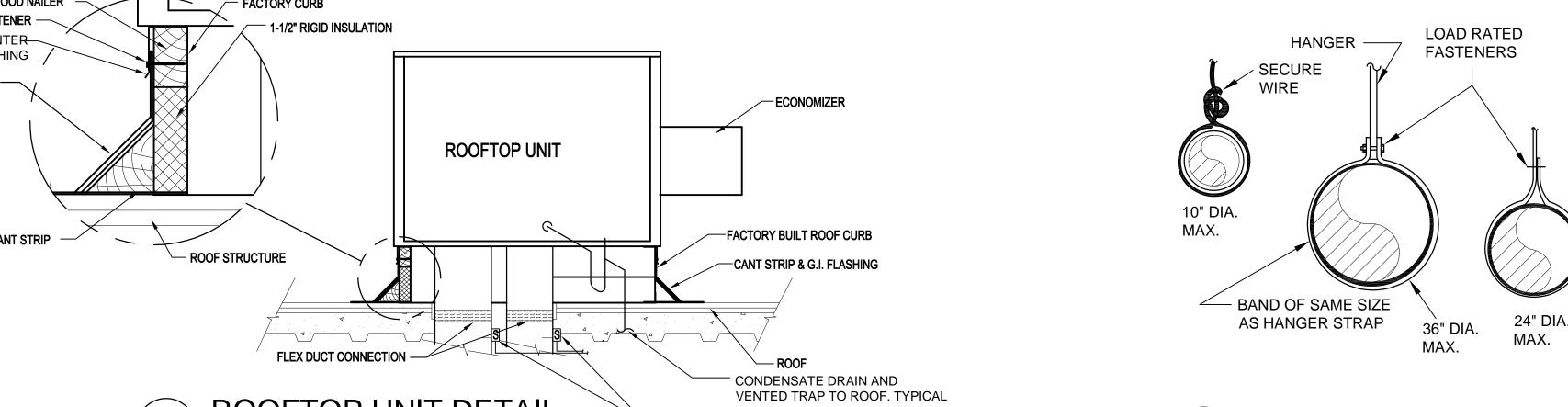
STABILIZE AND BALANCE BOOT

SOUND SHALL NOT HAVE A

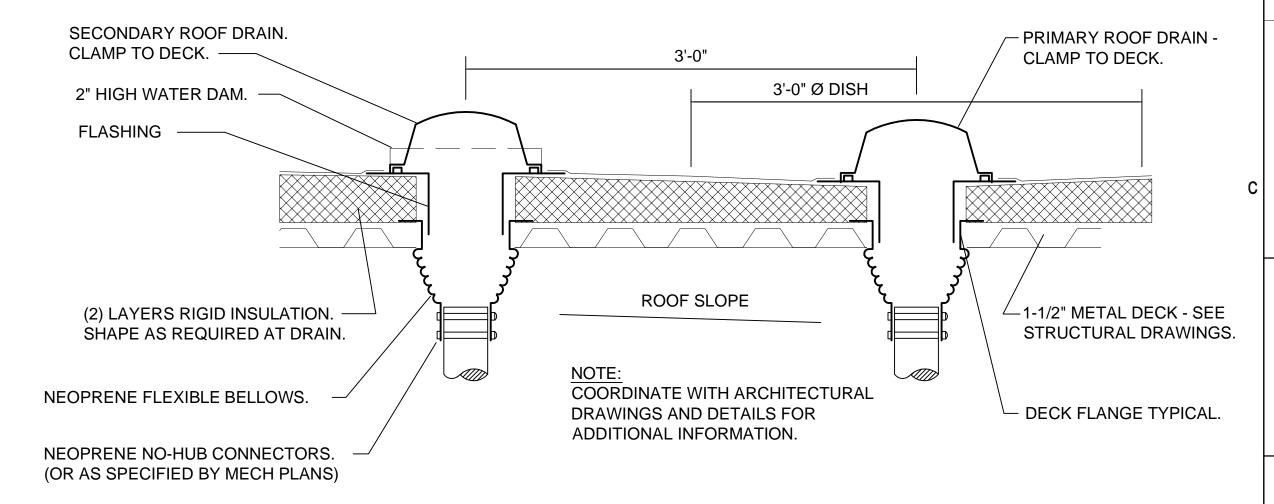
DIRECT PATH TO PLENUM

CEILING

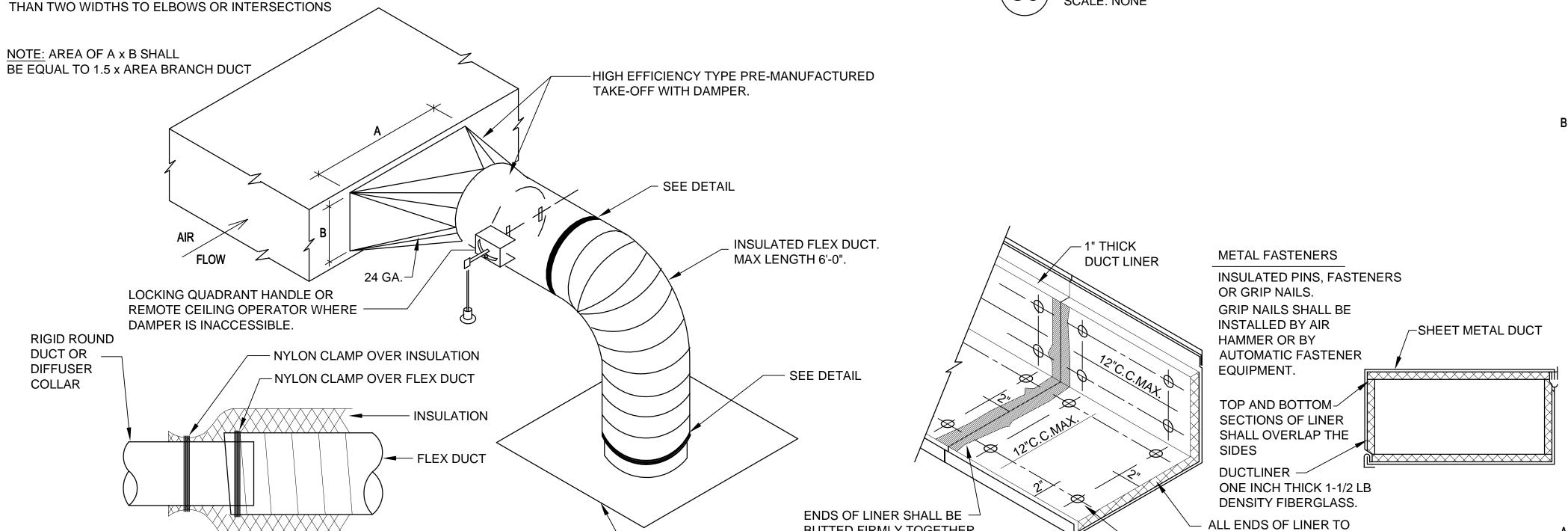
RETURN AIR BOOT DETAIL



DUCT SUPPORTS



ROOF DRAIN DETAIL



DUCT LINER DETAIL SCALE: NONE

BE COATED W/ ADHESIVE

NOT MORE THAN 2"

FROM EDGE OF LINER.

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Ξ:		
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A PRO	DJECT NO:	0615.01
DWG	FILE NO:	
WN B	Y:	STAFF
CKED	BY:	SLW
GNE	O BY:	WP
TYP	E:	MECHANICAL AND PLUMBING
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	CONSTR	<u>UCTION DOCUMENTS</u>
ET TI	ΓLE	
	A PRO DWG WN B CKED GNEI GTYP HITE(NCY PROJECT NO: A PROJECT NO: DWG FILE NO: WN BY: CKED BY: GNED BY: GTYPE: HITECTURAL PHAS

MECHANICAL DETAILS

ME501

SQUARE-TO-ROUND TAKE-OFF DETAIL

- CEILING DIFFUSER

BUTTED FIRMLY TOGETHER.

DURING INSTALLATION.

ALL JOINTS, SEAMS, AND TEARS

SHALL BE COATED W/ ADHESIVE

REGISTER, LOUVER & GRILLE SCHEDULE

		·					
SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	THROAT SIZE	CEILING TYPE	SCHEDULE NOTES
R-1	CEILING	RETURN	375	12/12	12/12	LAY-IN	1,2,3,4
R-2	CEILING	RETURN	1200	22/22	22/22	LAY-IN	1,2,3,4
R-3	CEILING	RETURN	1200	22/22	16"Ø	LAY-IN	1,2,3,4

REGISTER. LOUVER AND DIFFUSER SCHEDULE NOTES:

- 1. MAXIMUM NC = 25 @ MAXIMUM CFM NOTED.
- 2. SHALL BE PRICE 535 OR EQUAL BY OTHER APPROVED MANUFACTURERS.
- 3. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
- 4. FINISH SHALL BE OFF-WHITE BAKED ENAMEL.

	DIFFUSER SCHEDULE											
SYMBOL	TYPE	MAX CFM	FACE SIZE	NCK SIZE	CEILING TYPE	BLOW	PATTERN	SCHEDULE NOTES				
D-1 CFM	CEILING	380	12X12	10"Ø	LAY-IN	4WAY		1,2,3				
D-2 CFM	CEILING	650	15X15	14"Ø	LAY-IN	4WAY		1,2,3				

- 1. PROVIDE LAY-IN CEILING AND BORDER / MODULE AS REQUIRED. SEE ARCHITECTURAL CEILING PLANS.
- 2. MAXIMUM NC 25 AT CFM LISTED.
- 3. TRANSITION AS REQUIRED TO DUCT WORK SHOWN ON PLAN

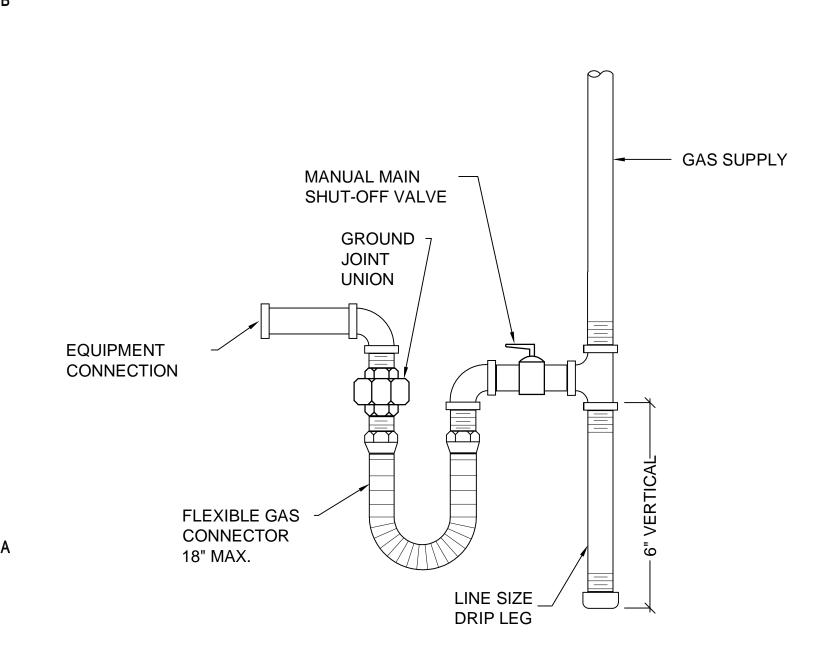
PLUMBING FIXTURE SCHEDULE	
INDIVIDUAL LINE SIZES	REMARKS

SYMBOL FIXTURE			INDIV	IDUAL LINE S	SIZES		REMARKS	
	J.M.JOL		TRAP	WASTE	VENT	COLD WATER	HOT WATER	
€ R	RD-1)	PRIMARY ROOF DRAIN	-	3"	-	-	-	
(SR	RD-)	SECONDARY ROOF DRAIN	-	3"	-	-	-	

ROOFTOP AIR CONDITIONER SCHEDULE (GAS HEAT)

		FSP	HEATING		COOLING ELECTRICAL							EER/	OPER.	SCHEDULE			
		SEER	WT. (LBS)														
RT 1	CARRIER 48TM005	1600	320	0.7	150	95	67	50	460/3/60	1	8.3	45	15.2	20	*/10.0	700	1,2,3,4,6,7,8
RT 2	CARRIER 48TM014	4800	960	0.8	250	95	67	147	460/3/60	2	9	75	28.7	35	9.5/*	1300	1,2,4,5,6,7,8

- E.S. P. DOES NOT INCLUDE LOSSES THROUGH ACCESSORIES.
- 2. RATED MINIMUM INPUT AT SEA LEVEL.
- 3. PROVIDE ONE 15 AMP, 120 VOLT, DUPLEX GFCI SERVICE OUTLET. MCA AND MOCP LISTED INCLUDE CONVIENCE OUTLET LOAD.
- 4. BELT DRIVE UNIT, R-22.
- 5. PROVIDE POWER EXHAUSTER.
- 6. PROVIDE WITH PROGRAMMABLE THERMOSTAT.
- 7. PROVIDE WITH ECONOMIZER.
- 8. PROVIDE WITH 2 STAGE GAS HEAT. CAPACITY SHOWN IS FOR HIGH HEAT.



GAS LINE CONNECTION DETAIL

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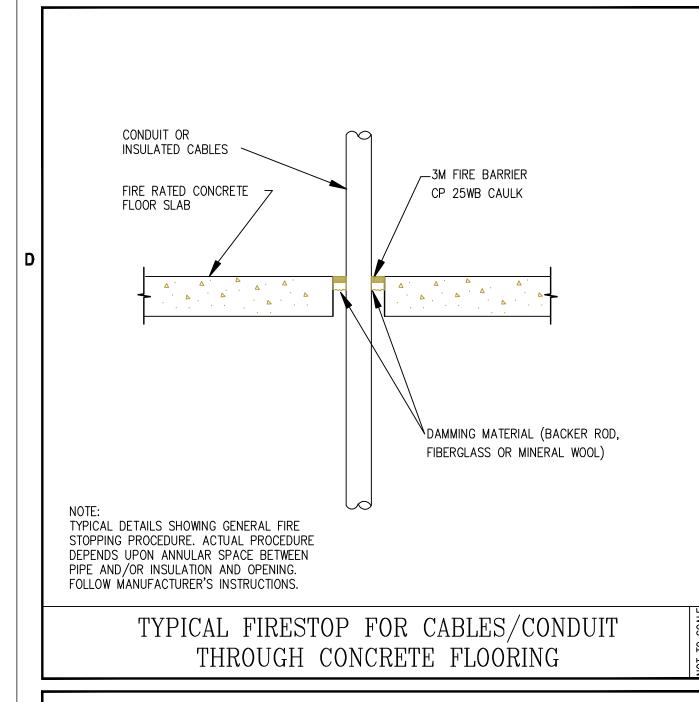
ARCHITECTURAL PHASE:

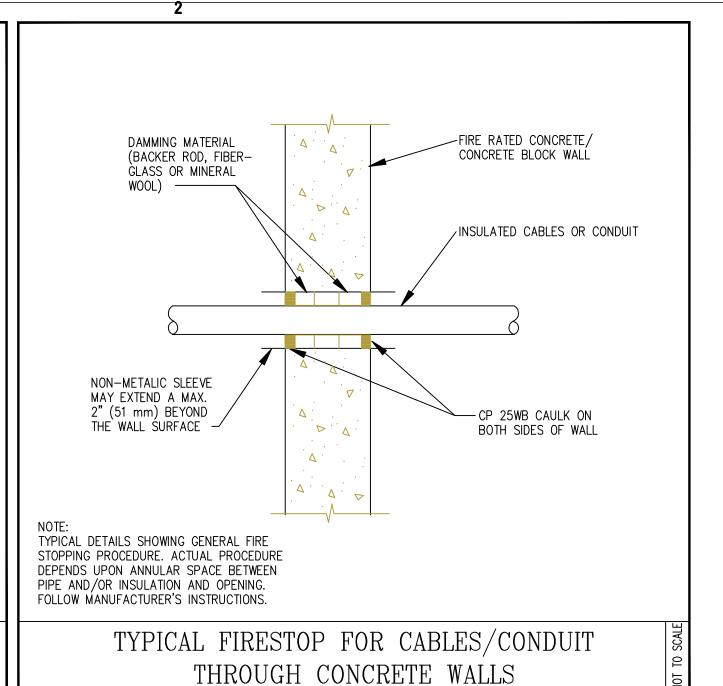
CONSTRUCTION DOCUMENTS

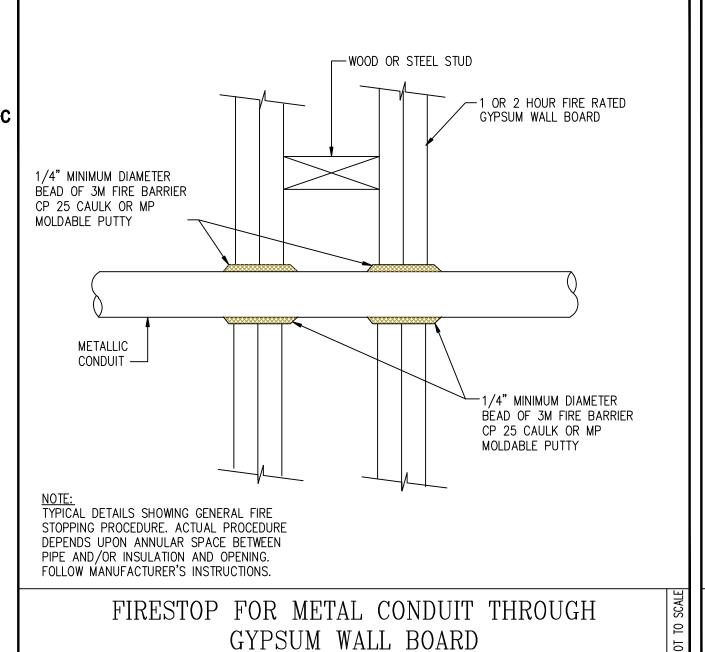
SHEET TITLE

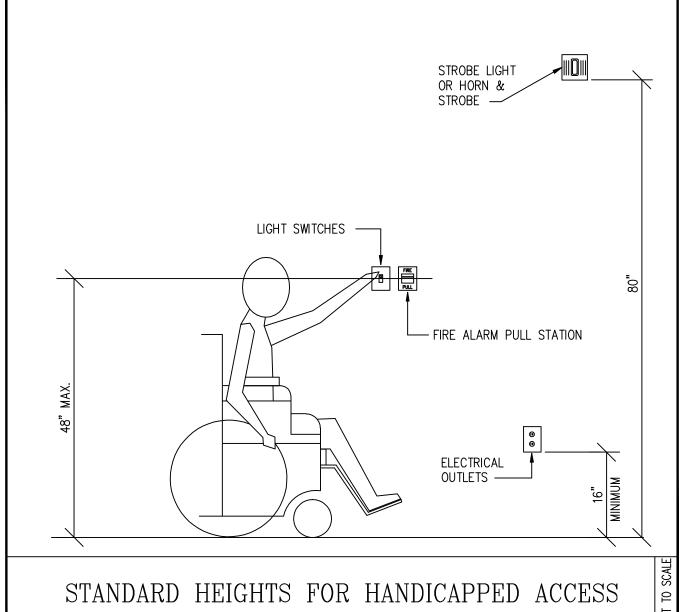
MECHANICAL SCHEDULES AND **DETAILS**

ME601









E	LECTRICAL SYMBOL LIST		
SYMBOL	DESCRIPTION		
	LIGHTING SYMBOLS		
	RECESSED FLUORESCENT FIXTURE		
	SURFACE MOUNTED FLUORESCENT FIXTURE		
├────────────────────────────────────			
	RECESSED FIXTURE		
	WALL MOUNTED FIXTURE		
\Diamond	SURFACE FIXTURE EXIT LIGHT. ARROWS SHOW EXIT DIRECTION		
\bigotimes			
LIGHTING FIXTURE CALLOUT. NUMBER INDICATES A SUGGESTED QUANTITY— TO BE VERIFIE			
$\langle \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$	REFERENCE NOTE CALLOUT		
\$ SINGLE POLE TOGGLE SWITCH - 20 AMP			
\$a,b SINGLE POLE TOGGLE SWITCH — 20 AMP LETTERS INDICATE SWITCH ASSIGNMENT			
\$3	\$3 THREE WAY TOGGLE SWITCH - 20 AMP		
D	LOW PROFILE SLIDE DIMMER-SUITABLE FOR THE LOAD.		
Ū	4 HOUR SPRING WOUND TIMER SWITCH TO CONTROL THE LIGHT FIXTURE - 277 VOLT		
	POWER SYMBOLS		
Ф	DUPLEX CONVENIENCE OUTLET - 20 AMP		
(
DUPLEX CONVENIENCE OUTLET - 20 AMP ELECTRIC WATER COOLER DUPLEX OUTLET WITH CHILD PROOF COVER - 20 AMP			
		(SINGLE 20A OUTLET W/LOCKING MECHANISM. GFI PROTECTED.
\bigcirc	SPECIAL PURPOSE SINGLE PHASE OUTLET		
SPECIAL PURPOSE THREE PHASE OUTLET			
	ARROWS INDICATE HOME RUNS — NUMBER OF CONDUCTORS AS REQUIRED		
ď	FUSED DISCONNECT SWITCH - SIZE AS REQUIRED		
\triangle	FLUSH TELEPHONE/DATA OUTLET		
	FLUSH TELEPHONE OUTLET		
\triangle	FLUSH DATA OUTLET		
	SPECIAL SYSTEMS SYMBOLS		
F	FIRE ALARM MANUAL PULL STATION		
H	FIRE ALARM HORN WITH STROBE HIGH DECIBEL		

	LIGHTING F	IXTUR	RE SCHEDULE	
SYMBOL	DESCRIPTION	LAMPS	APPROVED MANUFACTURERS	CATALOG NUMBER
(T-1)	LINEER PENDENT MOUNTED FLUORESCENT LIGHT FIXTURE TO MATCH EXISTING. FIELD VERIFY PRIOR TO ORDERING FOR EXACT CATALOG NUMBER.	X	X	BUILDING STANDARD
(T-2)	8" APERTURE DOWN LIGHT	2CF32	COLUMBIA LIGHTOLIER LIGHTOLIER	CFTD832HEB-STFD802H-B24

- 1. ALL FLUORESCENT LIGHTS SHALL HAVE ELECTRONIC PROGRAMMABLE START BALLAST'S, 10%, TOTAL HARMONIC DISTORTION. UNIVERSAL, ADVANCE AND HOWARD ARE APPROVED MANUFACTURERS. BALLAST'S TO HAVE 5 YEAR WARRANTY.
- 2. ALL FLUORESCENT LAMPS SHALL HAVE 4100° COLOR TEMPERATURE. 3. FIELD VERIFY ALL LIGHTING VOLTAGES PRIOR TO PLACING ANY ORDER.
- 4. THE WRITTEN CRITERIA OF THE FIXTURE DESCRIPTION TAKES PRECEDENCE OVER THE CATALOG NUMBER.

GENERAL NOTES:

- 1. IN THE EXISTING SPACES TO BE RENOVATED, THE CONTRACTOR SHALL REMOVE ALL LIGHT FIXTURES, SWITCHES, WIRING, CONDUIT, WIRING DEVICES, FIRE ALARM DEVICES, SPEAKERS, VOLUME CONTROLS, ETC. AS REQUIRED WHETHER OR NOT SHOWN ON THE DRAWINGS.
- 2. ALL MATERIALS TO BE REMOVED FROM THE PREMISES SHALL BE RETURNED TO THE OWNER. MATERIALS WHICH THE OWNER DECIDES NOT TO KEEP SHALL BE SALVAGED AND REMOVED FROM THE SITE BY THE CONTRACTOR.
- 3. ALL CONCEALED CONDUIT THAT CANNOT BE REMOVED SHALL BE CUT FLUSH WITH THE FINISH SURFACES AND CAPPED OFF AFTER THE WIRING HAS BEEN DISCONNECTED AT THE
- PANEL AND REMOVED FROM THE CONDUIT. 4. IN AREAS WHERE CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED

BECAUSE OF THE NATURE OF THE FACILITY, MAKE ALL THE NECESSARY MODIFICATIONS TO

5. THE COLOR OF ALL THE NEW DEVICES AND COVERPLATES SHALL BE COORDINATED WITH

THE CIRCUITS IN ORDER TO MAINTAIN THE CIRCUIT INTEGRITY.

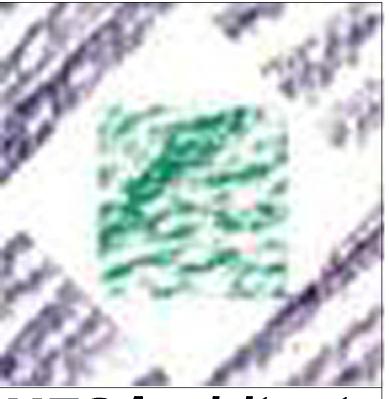
- 6. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF
- 7. THE COLOR OF THE LIGHT FIXTURES SHALL BE SELECTED BY THE ARCHITECT.
- 8. MINIMUM SIZE OF CONDUIT TO BE 3/4". 1/2" CONDUIT MAY BE USED FOR CONTROL CABLES. ALUMINUM CONDUITS SHALL NOT BE USED.
- 9. USE RIGID STEEL SET SCREW TYPE FITTINGS ONLY. DIE CAST FITTINGS SHALL NOT BE USED.
- 10. SUPPORT THE LAY-IN TYPE FIXTURES FROM THE CEILING DECK INDEPENDENT OF THE CEILING GRID, AS SHOWN ON THE TYPICAL RECESSED FIXTURE MOUNTING DETAIL.
- 11. ALL NEW WORK MUST MEET THE CURRENT ADDOPTED NATIONAL ELECTRICAL CODE.

12. NOT MORE THAN THREE (3) CIRCUITS, SHALL BE INSTALLED IN A 3/4" CONDUIT.

COMMON NEUTRAL (LIGHTING AND POWER CIRCUITS).

400 FEET LENGTH.

- 13. THE SIZE OF THE NEUTRAL CONDUCTORS SHALL BE NO. 10 AWG FOR ALL HOME RUNS WITH
- 14. THE MINIMUM SIZE OF THE CONDUCTORS ARE TO BE #12 AWG THHN COPPER, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- 15. ALL J-BOXES SHALL HAVE MINIMUM DEPTH OF 2-1/8" UNLESS OTHERWISE SPECIFIED. SECURE ALL J-BOXES AS SHOWN IN THE DETAILS. FURNISH AND INSTALL PROPER MUD RINGS.
- 16. ALL METALLIC CONDUITS, JOINTS, FITTINGS, ETC., IN CONTACT WITH THE GROUND SHALL BE SPIRALLY WRAPPED WITH 3M SCOTCHRAP-51, 20 MIL TAPE (OR APPROVED EQUAL). 1/2* OVERLAP IS REQUIRED.
- 17. ALL CONDUITS EXPOSED TO THE WEATHER AND IN THE MECHANICAL ROOM SHALL BE GALVANIZED RIGID STEEL, UNLESS OTHERWISE NOTED.
- 18. ALL NEW EXPOSED CONDUIT MUST RUN AGAINST THE WALLS OR CEILINGS. DO NOT PENDANT MOUNT ANY CONDUIT FROM THE CEILING'S
- 19. ALL THE HOMERUNS MUST BE ACCESSIBLE. DO NOT CARRY A HOMERUN FROM ONE DEVICE TO ANOTHER WHICH IS TIED TO A SEPARATE HOMERUN INSIDE THE WALL. MARK ON ALL THE J-BOXES THE CIRCUIT NAMES AND NUMBERS. USE NO. 10 THHN CONDUCTORS FOR HOMERUNS OVER 100 FEET, NO. 8 THHN OVER 200 FEET, NO. 6 THHN OVER 300 FEET AND NO. 4 THHN OVER
- 20. COORDINATE WITH THE OWNER AND ARCHITECT FOR THE EXACT LOCATION OF THE
- 21. LIGHT SWITCHES INSTALLED ADJACENT TO EACH OTHER, SHALL BE GANGED TOGETHER WITH ONE PIECE COVERPLATE.
- 22. USE EPOXY ANCHORS TO SUPPORT THE ELECTRICAL EQUIPMENT. EXPANSION ANCHOR BOLTS ARE NOT ACCEPTED.
- 23. AT THE END OF THE JOB, PROVIDE BLANK COVER PLATES TO MATCH THE OTHER COVER
- 24. SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS AND CEILINGS WITH FIRE
- RATED MATERIAL. 3M IS AN APPROVED MANUFACTURER.
- 25. ALL MATERIALS USED IN THIS INSTALLATION SHALL BE U.L. APPROVED AND NEW. 26. ALL ELECTRICAL WIRING MUST BE IN CONDUIT (ROMEX NOT PERMITTED).
- 27. NO CONDUITS SHALL RUN IN DUCT WORK.
- 28. PRIOR TO SUBMITTING A BID THE ELECTRICAL CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS, SHOP DRAWINGS
- ARE REQUIRED. ALL LABOR, MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE BY THE TENANT. REPLACE OR REPAIR ALL DEFECTS DURING THE GUARANTEED PERIOD.
- 29. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE ELECTRICAL CONNECTIONS TO ALL THE EQUIPMENT BY PROVIDING THE NECESSARY MALE/FEMALE CONNECTOR, RECEPTACLE,
- 30. ALL DUPLEX OUTLETS AND SWITCHES SHALL BE 20 AMP., 120 VOLT SPEC GRADE. HUBBELL AND PASS & SEYMOUR AND LEVITON ARE APPROVED MANUFACTURERS.
- 31. ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENT, ETC.) OF EQUIPMENT FURNISHED UNDER OTHER DIVISIONS WITH APPROVED SHOP DRAWINGS. REFER TO BEGINNING ROUGH-IN.
- 32. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES FOUND BETWEEN THE INTENDED FUNCTION OF EQUIPMENT AND EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL ADDENDUM. FAILURE TO REPORT ANY DISCREPANCY (CATALOG NUMBERS, DISCONTINUED ITEMS, ETC.) DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING EQUIPMENT WHICH SHALL CONFORM TO AND FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. NOR SHALL IT BE USED AS A CONDITION TO OBTAIN ADDITIONAL FUNDS FROM THE OWNER AFTER THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL REQUEST ALL CLARIFICATIONS OF CONTRACT DOCUMENT REQUIREMENTS IN WRITING TO THE ARCHITECT/ENGINEER A MINIMUM OF FIVE WORKING DAYS PRIOR TO ESSUANCE OF THE FINAL ADDENDUM.



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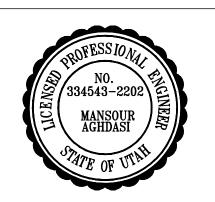
ARCHITECTURE

INTERIORS **PLANNING**

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CULINARY REMODEL

DAVIS APPLIED TECHNOLOGY COLLEGE

MARK	DATE	DESCRIPTION
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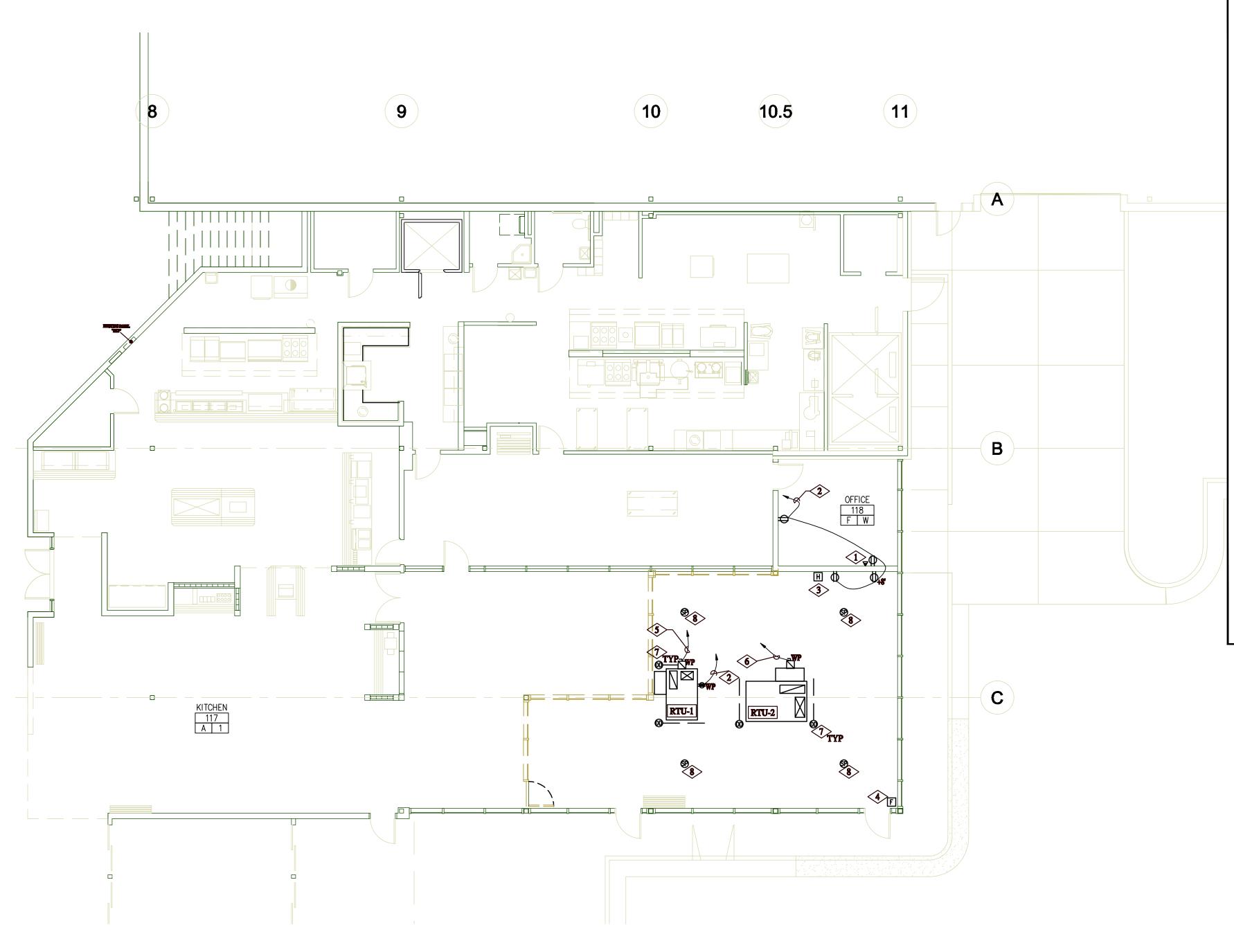
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DWG TYPE: ARCHITECTURAL PHASE:

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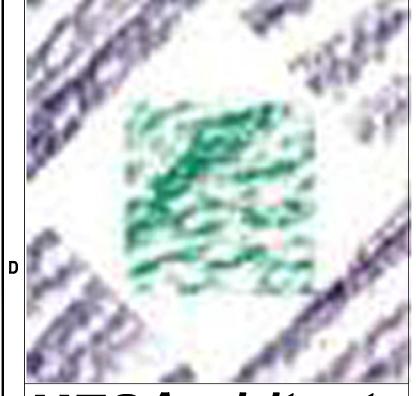
SHEET TITLE

MID#112 SHEET



REFERENCE NOTES:

- FURNISH AND INSTALL A 4"X4"X2-1/8" J-BOX IN THE APPROXIMATE LOCATION SHOWN FOR VOICE/DATA. RUN A 1" CONDUIT WITH A PULL STRING FROM THE J-BOX TO THE NEAREST ACCESSIBLE CEILING SPACE ON THIS FLOOR. COORDINATE WITH THE OWNER/ARCHITECT FOR EXACT LOCATION PRIOR TO ROUGH-IN.
- TIE EACH HOMERUN SHOWN TO A 120 VOLT, 20 AMP DEDICATED CIRCUIT IN THE ELECTRICAL ROOM. COORDINATE WITH THE OWNER FOR PROPER PANEL. PROVIDE CONDUITS, CONDUCTORS, CIRCUIT BREAKERS, ETC. FOR A COMPLETE INSTALLATION.
- FURNISH AND INSTALL NEW FIRE ALARM DEVICE IN THE APPROXIMATE LOCATION SHOWN. TIE THE NEW DEVICE TO THE EXISTING FIRE ALARM CONTROL PANEL. THE NEW DEVICE SHALL BE THE SAME AS AND BE COMPATIBLE WITH THE EXISTING SYSTEM. TEST AND CERTIFY THE SYSTEM TO MEET THE LOCAL AHS.
- FURNISH AND INSTALL A NEW FIRE ALARM PULL STATION IN THE APPROXIMATE LOCATION SHOWN AND TIE TO THE EXISTING FIRE ALARM CONTROL PANEL. PROVIDE CONDUITS, CONDUCTORS, ETC, FOR A COMPLETE WORKING INSTALLATION. COORDINATE WITH THE ARCHITECT FOR THE EXACT LOCATION.
- 5 FURNISH AND INSTALL A 20 AMP, 460 VOLT, 3 POLE CIRCUIT BREAKER IN THE EXISTING PANEL "HKP"TO FEED THE NEW ROOF TOP UNIT. THE NEW BREAKER SHALL HAVAE THE SAME AIC RATING AS THE REST OF THE BREAKERS. MAKE ANY MODIFICATIONS NECCESSARY TO INSTALL THE NEW BREAKER(S) IN THE EXISTING PANEL PROVIDE A 30 AMP WEATHER PROOF DISCONNECT SWITCH WITH 20 AMP FUSES ON THE ROOF FOR THE NEW ROOF TOP UNIT. REFER TO THE MECHANICAL DRAWINGS FOR THE EXACT LOCATION OF THE ROOF TOP UNIT. COORDINATE WITH BUILDING MANAGMENT.
- FURNISH AND INSTALL A 35 AMP, 460 VOLT, 3 POLE CIRCUIT BREAKER IN THE EXISTING PANEL "HKP"TO FEED THE NEW ROOF TOP UNIT. THE NEW BREAKER SHALL HAVAE THE SAME AIC RATING AS THE REST OF THE BREAKERS. MAKE ANY MODIFICATIONS NECCESSARY TO INSTALL THE NEW BREAKER(S) IN THE EXISTING PANEL PROVIDE A 60 AMP WEATHER PROOF DISCONNECT SWITCH WITH 35 AMP FUSES ON THE ROOF FOR THE NEW ROOF TOP UNIT. REFER TO THE MECHANICAL DRAWINGS FOR THE EXACT LOCATION OF THE ROOF TOP UNIT. COORDINATE WITH BUILDING MANAGMENT.
- FURNISH AND INSTALL NEW DUCT DETECTOR WITH SAMPLING TUBE IN SUPPLY AND RETURN DUCT. THE NEW DUCT DETECTORS SHALL BE BY THE SAME MANUFACTURES AND BE COMPATIBLE WITH THE EXISTING SYSTEM. TIE THE DUCT DETECTORS TO THE FIRE ALARM CONTROL PANEL FOR MONITORING. ALSO, TIE THE ROOF TOP UNITS TO THE FIRE ALARM CONTROL PANEL FOR SHUT DOWN. COORDINATE THIS WORK WITH THE MECHANICAL SUB CONTRACTOR.
- FURNISH AND INSTALL NEW CEILING MOUNTED RECESSED SPEAKERS IN THE APPROXIMATE LOCATIONS SHOWN. THE NEW SPEAKER SHALL BE THE SAME AS THE EXISTING ONES. TIE THE SPEAKER TO THE EXISTING SOUND SYSTEM. FIELD VERIFY. PROVIDE CONDUIT, CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION.



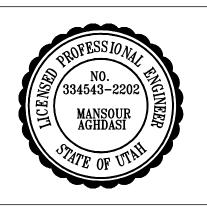
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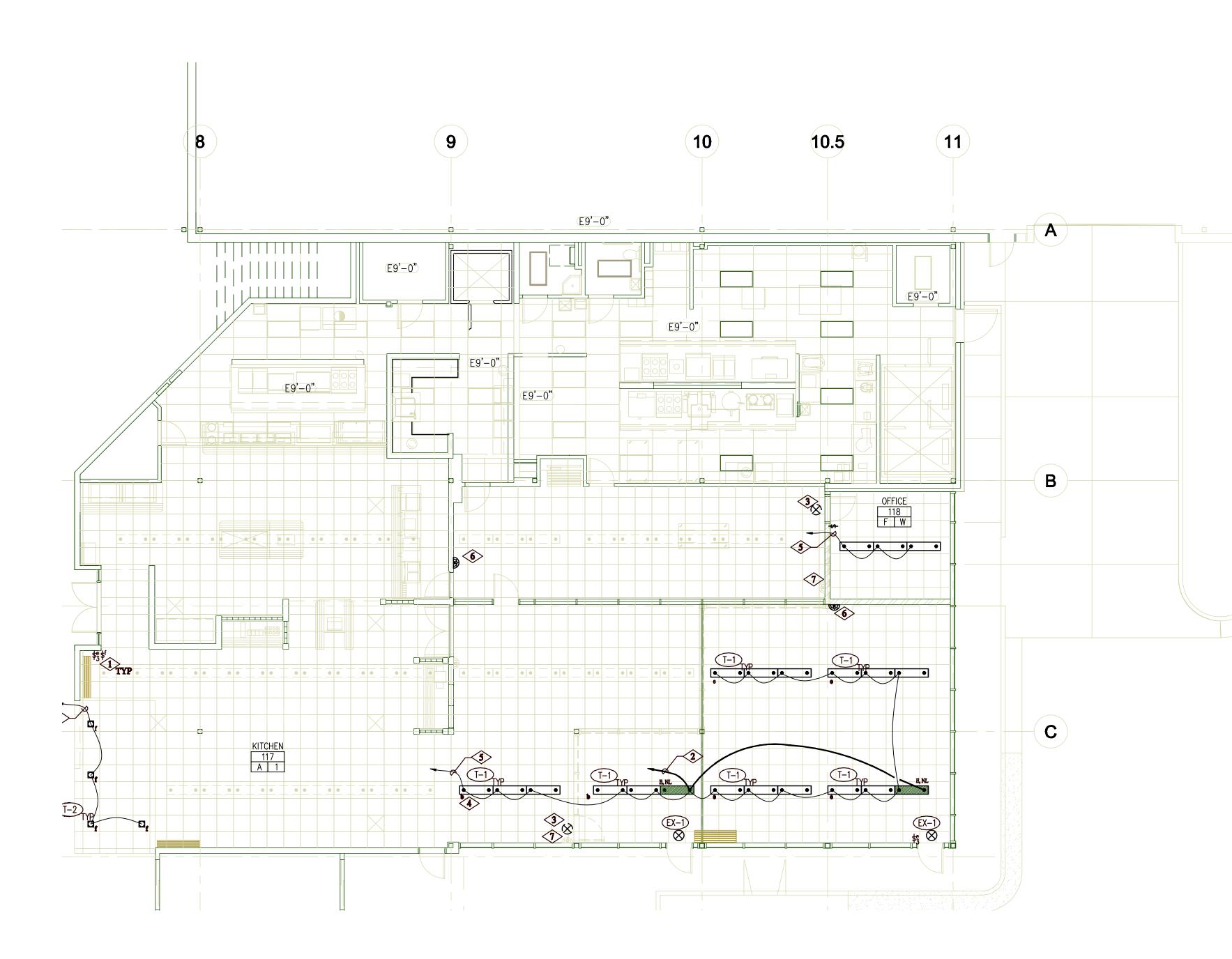
ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS

E2.11

FIRST FLOOR PLAN -POWER SCALE: 1/8"= 1'-0"

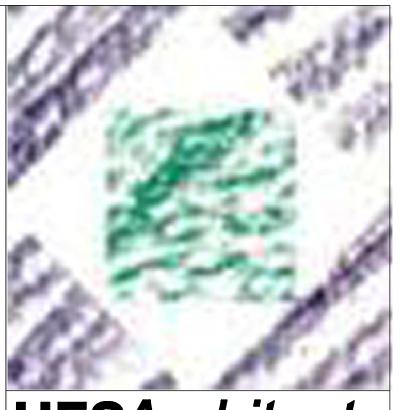
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OF



REFERENCE NOTES:

- TIE LIGHT FIXTURES INDICATED WITH A LOWER CASE LETTER TO ITS CORRESPONDING LIGHT SWITCHES. PROVIDE CONDUIT, CONDUCTORS, ETC. FOR A COMPLETE INSTALLATION.
- TIE EMERGENCY LIGHT FIXTURES INDICATED WITH LETTER "E" AND ALL EXIT SIGNS TO THE EMERGENCY POWER SYSTEM IN THE ELECTRICAL ROOM SO THAT ONE LAMP IN THE LIGHT FIXTURE TURN "ON" IN CASE OF POWER FAILURE REGARDLESS THE POSITION OF THE CONTROL SWITCH. PROVIDE CONDUIT, CONDUCTORS, RELAY (EQUAL TO BODINE GTD) BALLASTS ETC. FOR A COMPLETE INSTALLATION.
- RELOCATE EXISTING EXIT SIGN AND ASSOCIATED WIRING TO NEW LOCATION. CLEAN AND REPAIR THE EXIT SIGNS AS NEEDED FOR A COMPLETE WORKING SYSTEM.
- RELOCATE THE EXISTING 12' LIGHT FIXTURE SECTION TO OFFICE 118. CLEAN THE LIGHT FIXTURE AFTER INSTALLATION. REPAIR THE FIXTURE AS NECESSARY FOR A WORKING INSTALLATION. FURNISH AND INSTALL NEW T-1 LIGHT FIXTURES IN THE LOCATION SHOWN TO MATCH UP WITH THE EXISTING LAYOUT. COORDINATE WITH THE ARCHITECT' ENGINEER.
- TIE TO THE NEAREST 277 VOLT LIGHTING CIRCUIT WITH AVAILABLE AMPACITY. PROVIDE CONDUITS, CONDUCTORS, RELAY, ETC. FOR A COMPLETE INSTALLATION.
- FURNISH AND INSTALL NEW MOTION SENSOR TO CONTROL THE LIGHT FIXTURES IN THE ROOM. THE NEW MOTION SENSOR SHALL BE THE SAME AS THE EXISTING ONES. MODIFY THE EXISTING LIGHTING CIRCUIT TO ACCOMMODATE THE NEW SWITCHING. FIELD VERIFY.
- COORDINATE WITH THE OWNER AND RELOCATE THE EXISTING SECURITY SYSTEM DEVICES AND THE ASSOCIATED CIRCUITS. FIELD VERIFY.



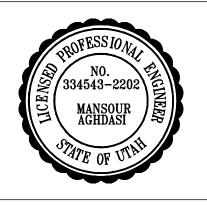
HFSArchitects

ARCHITECTURE
INTERIORS
PLANNING

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CONSULTANT





CULINARY REMODEL

DAVIS APPLIED TECHNOLOGY
COLLEGE

MARK	DATE	DESCRIPTION
DATE:		21 DECEMBER 2006
AGENCY PROJECT NO:		O: 06134220
HFSA PF	ROJECT NO:	0615.01
CAD DW	G FILE NO:	
DRAWN	BY:	
CHECKE	D BY:	MA
DESIGNI	ED BV:	.ITR

ARCHITECTURAL PHASE:
CONSTRUCTION DOCUMENTS

QUEET TITLE

DWG TYPE:

E9.11

FIRST FLOOR PLAN -LIGHTING SCALE: 1/8"= 1'-0"

5 BED #112 SHEET

OF